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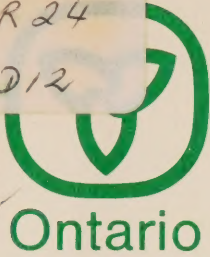




CA20N

NR 24

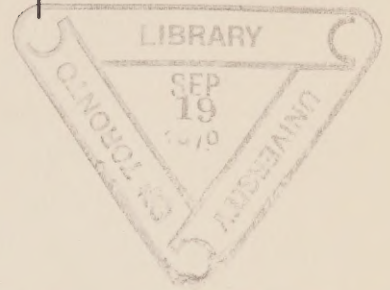
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Ministry  
of the  
Environment

Hon. Harry C. Parrott, D.D.S., *Minister*  
Graham W.S. Scott, *Deputy Minister*

Water Resources  
Bulletin 2-104  
Ground water series



# DATA FOR OBSERVATION WELLS IN ONTARIO 1977



CA 26M  
NR 74

-7962104

WATER RESOURCES  
BULLETIN 2-104  
Ground water series

**DATA FOR  
OBSERVATION WELLS  
IN ONTARIO  
1977**

ISSN 0701-7499

MINISTRY OF THE ENVIRONMENT  
Water Resources Branch

TORONTO

ONTARIO

# METRIC CONVERSION FACTORS

<u>Multiply</u> <u>English Units</u>	<u>by</u>	<u>To obtain</u> <u>Metric Units</u>
Inches (in)	2.540	Centimetres (cm)
Feet (ft)	0.305	Metres (m)
Imperial gals/min (Igpm)	0.758	Litres/sec L/s)
Imperial gals/min/ft (Igpm/ft)	0.248	Litres/sec/metre (L/s/m)

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### OBSERVATION WELL DATA

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## INTRODUCTION

On April 1, 1974 the Ontario Ministry of the Environment reorganized its working structure from a centralized Toronto-based organization, to a decentralized structure having major Ministry offices in six regional centres across Ontario. With this reorganization, the responsibility for ground-water data collection fell to the Ministry's Regional Offices, while the data assimilation, processing and publication remained the responsibility of the Water Resources Branch in Toronto.

The ground-water regime that exists in any area is a result of the geology, topography, drainage and climate of that area. Water which enters the soil and percolates downward into the zone of saturation, where all the voids and openings of the materials in the ground are filled with water, is commonly referred to as ground water. The top of this zone of saturation or ground-water system is called the water table and in Ontario is often found a few feet below the ground surface.

Precipitation in the form of rain and snow is the main source of ground water. In general, approximately 40% of all precipitation becomes surface runoff or infiltrates into the ground. The rest is returned to the atmosphere by evaporation from the soil and open bodies of water, and by transpiration from vegetation. Precipitation averages over 30 inches (76 cm) annually in most parts of southern Ontario. Forty percent of this amounts to 174 million gallons on each square mile of land surface, or 212 million litres on each square kilometer. Generally, less than one half of this volume of water will infiltrate and move through the ground-water system before being discharged into streams or lakes. Since infiltration rates are comparatively higher in sand and gravel areas than in clay areas, recharge to ground water will be correspondingly higher in sands and gravels.

Geologic formations that contain, transmit and yield ground water in usable quantities are termed aquifers. The degree to which a formation will store and yield water is dependent on its porosity and permeability. The porosity of a material is the proportion of openings or pore spaces to the volume of the material. The permeability gauges the rate at which a material will transmit water, and is dependent on the size and degree of interconnection of the pore spaces. Thus, a fine silty sand may have a higher porosity than a medium sand, but the finer material will have a lower permeability and yield smaller quantities of water to wells.

The amount of water that can be extracted from any area depends on the character of the aquifers. Fine-grained overburden materials such as clays and silts are generally poor sources of water supply. Wells developed in such materials may not meet normal household requirements (100 gals/capita/day) if adequate storage is not provided. Coarse overburden materials such as sands and gravel have high permeabilities and are usually very good sources of ground water. Bedrock materials with adequate permeabilities resulting from fractures and solution cavities are also good sources of ground water.

Numerous factors such as the amount and intensity of rainfall, nature of the soil and vegetation, slope of land surface, and wind and temperature conditions also have a bearing on the amount of precipitation that becomes ground water. Before large withdrawals of ground water are planned in an area, a reliable estimate should be made of the average annual recharge to ground water. If this is done, the depletion of ground water stored in the aquifer can usually be avoided, and pumping installations can be designed for long, economical use.

### GROUND WATER LEVELS

One of the keys to the availability of ground water in a particular area are actual ground-water levels as measured in wells. These levels may be a reflection of static or equilibrium ground-water conditions, or they may reflect artificial drawdown conditions caused by local withdrawals. A continuous record of water-level fluctuation reveals numerous factors concerning both the ground-water regime and the characteristics of a particular water-bearing formation. The continuous record, or hydrograph, is useful in analyzing natural long-term fluctuations in ground-water levels which are related commonly to precipitation, evapotranspiration and the discharge of water to streams.

In addition to monitoring natural ground-water level fluctuations, observation wells are established to determine the effects of large ground-water withdrawals from aquifers, to show the effects of natural and artificial recharge on aquifers, to assist in drainage basin analyses by providing data to show recharge and discharge areas, and to show regional and local ground-water flow patterns. Together with data on pumping rates, pumping levels and other aquifer characteristics, the water levels in observation wells are utilized in the calculation of the potential yield of aquifers and high-capacity production wells.

The water level in an unpumped observation well is referred to as the static level. Fluctuations in this level result either from natural causes such as precipitation, evaporation and ground-water discharge, or from artificial causes such as pumping or artificial recharge. A static level that follows a downward trend may forecast serious problems resulting from overpumping, reduced recharge due to changed soil or vegetational cover, or a combination of these and other factors. A knowledge of ground-water levels is a prerequisite to good ground-water management. Problems of water shortages and complaints about well interference cannot be fully understood or resolved without reliable data on water-level fluctuations.

In Ontario, ground-water levels normally rise during the fall, early winter and spring snowmelt periods when transpiration and evaporation are minimal. Throughout the warm-weather growth period, the amount of water infiltrating is greatly decreased by evaporation and transpiration. As a result, recharge to ground water is minimized and ground-water levels generally decline during this period.

## OBSERVATION WELL NETWORK

The observation well network in the Province of Ontario dates back to 1946 when the initial step in establishing the network was taken by the Ontario Department of Mines. Some of the original wells are still being used for observation purposes. Although the majority of network wells are operated by the Ministry of the Environment, a few are maintained by Ontario Hydro and the Ministry of Transportation and Communications for their own specific study purposes. The observation wells within the Ministry of the Environment's network consist primarily of drilled and bored wells, which are used commonly for supply purposes, as well as the more specialized piezometer tubes, which are used specifically for water-level measurement purposes. Water levels are measured either manually by tape or by automatic water-level recorders. Abandoned wells are ideally suited for observation purposes because the water-level fluctuations will not be affected by withdrawals of ground water from the wells. Observation wells in some cases have been acquired over the years in co-operation with private individuals or municipalities. Other wells have been constructed by the Ministry of the Environment specifically for water management and interference studies, and for river basin studies. New wells are regularly being incorporated into the network as new studies or water management problems arise. Older wells are phased out as sufficient data are gathered to satisfy the original intended use, or if a particular property owner wishes to use the well for other purposes.

### OBSERVATION WELL DISTRIBUTION

As of December 31, 1977 the distribution of observation wells within each Region of the Ministry was as follows:

<u>Region</u>	<u>Recording Wells</u>	<u>Manually Measured Wells</u>
1) Southwest	19	26
2) West-Central	20	7
3) Central	29	2
4) Southeast	11	1
5) Northwest	-	-
6) Northeast	<u>1</u>	<u>-</u>
TOTAL	80	36

Observation wells in this publication are indexed in the following order.

- 1) MOE Region - All observation wells located in one particular region are grouped together.
- 2) County - The wells are indexed by county, then by township.
- 3) Numerically - Where there is more than one well in a particular township they are listed by their observation well numbers.

The Regional maps show the approximate locations of the recording wells and can be used as a guide to the distribution of the wells in each region.

### OBSERVATION WELL INFORMATION

The recorder charts are forwarded to the Hydrology and Monitoring Section of the Water Resources Branch in Toronto where the chart data is processed using the computer-digitizing method. After processing the data a variety of output options are available.

1. Daily mean water-level tabulation;
2. Daily instantaneous maximum water-level tabulation;
3. Daily instantaneous minimum water-level tabulation;
4. Annual hydrograph in either "Feet Above Sea Level" or "Feet Below Ground Surface" (plotted from daily mean values);
5. A plot of the chart from the digitized points;
6. A card output from the digitized points;
7. Any combination of the above.

## EXPLANATION OF WELL SPECIFICATIONS

OBSERVATION WELL NUMBER	The observation well number is assigned in numerical sequence at the time of the establishment of each observation well.
WELL REC. #	Each observation well is assigned a well record number to identify it within Ontario's water well record system. Each well record is assigned a unique number after it is filed with the Ministry.
CONC.	<p>The majority of townships in Ontario are surveyed into a regular pattern of concessions and lots; however, in some areas, geographical or historical factors may have created surveys of irregular shapes or patterns. This has resulted in many survey descriptions which are unique to certain areas.</p> <p>SEE:           Abbreviations Used to Describe Surveys and Tracts.</p>
UTM CO-ORD.	<p>(Universal Transverse Mercator Co-ordinates in Meters) This location system makes use of a square grid, 1000 x 1000 metres, which is superimposed on maps of the National Topographic System. The vertical grid lines are called Eastings and the horizontal lines Northings.</p> <p>The Easting represents the distance of a well in an easterly direction from a given north-south reference line. The Easting is the figure immediately following the letter E.</p> <p>The Northing represents the distance of a well in a northerly direction from a given east-west reference line. The Northing is the figure immediately following the letter N.</p> <p>The zone number which follows the letter Z is also a part of the UTM co-ordinates.</p>
LAT & LONG	Latitudes and Longitudes were determined from plotted locations on topographic maps and are given to the nearest minute.

REC. METHOD	<p>The recording method describes the manner in which the data were obtained, i.e., automatic water-level recorder or manual measurement.</p> <p>The following automatic recorders are currently in use by the Ministry of the Environment:</p> <ul style="list-style-type: none"> <li>- Stevens A35 Recorder (Float actuated)</li> <li>- Stevens 'F' type recorder (Weekly/Monthly; Float actuated)</li> <li>- Brott Recorder (Nitrogen gas actuated)</li> </ul>
REC. COMMCD	Water-level recording was commenced on the date listed.
MEASURE PT.	The measuring point is the reference point, either above or below ground level, from which measurements are taken for each observation well. This figure is subtracted or added to the recorder chart measurements to obtain water levels in feet below ground surface.
WELL TYPE	This describes the method of construction of the well, i.e. drilled, bored or dug.
DIAMETER OF WELL	Casing diameters are shown to the nearest inch. Where several sizes of casings were used, the diameter of the lowermost casing only is given.
GND ELEV.	The ground elevation at the well site is given in feet above mean sea level. The majority of the elevations were determined from plotted locations on the National Topographic maps and are therefore related to the accuracy of the locations and the scale of the maps.
LENGTH OF CASING	The length of casing is the distance from ground level to the end of the cased section of the well.
LENGTH OF SCREEN	This is the length of well screen, sand point or slotted pipe section.
PUMP RATE	This is the rate (in Imperial gallons per minute) at which the well was test pumped. Where no pumping test was performed, the letters N.A. (Not Applicable) appear.

SPEC. CAP.	The specific capacity is determined using information obtained during the pumping test. It is calculated by dividing the pumping rate by the drawdown, which is the difference between the static water level before the test and the maximum pumping level measured during the test. Where no pumping test was performed, the letters N.A. appear.
AQUIFER	This lists the geological material of the main water-bearing formation.
QUALITY	After the construction of each well, the driller evaluates the water for taste and smell. The kind of water is shown by the following: <div style="margin-left: 100px;"> Fresh  Salty  Sulphur  Mineral </div>
WELL LOG	This is a verbatim description of the well log as it was listed on the well record by the driller. Each formation is followed by a number which indicates the distance to the bottom of the formation. The last number generally indicates the total depth of the well.
MONTHLY SUMMARY	Monthly summaries are printed only for those months in which there are data for every day in that month.
MEAN	This figure represents the mean monthly water level, measured in feet below ground surface.
INST. MAX.	This is the instantaneous maximum water level, in feet below ground surface recorded for that month. The bracketed figure (or figures) immediately below the INST. MAX. value indicates the date(s) on which that value occurred. If the maximum value falls on more than 4 days it is indicated by an asterisk.
INST. MIN.	This is the instantaneous minimum water level, in feet below ground surface, recorded for that month. The bracketed figure (or figures) immediately below the INST. MIN. value indicates the date(s) on which that value occurred. If the minimum value falls on more than 4 days it is indicated by an asterisk.

ABBREVIATIONS USED TO DESCRIBE SURVEYS AND TRACTS

<u>Abbreviations</u>	<u>Survey or Tract</u>	<u>Municipality</u>
<u>Southwestern Region</u>		
FC	Front Concession	South Colchester Twp.
NTR E	North Talbot Road East	Westminster Twp.
Range IN	Range 1 North (Longwood's Rd. North)	Caradoc Twp.
WB	West Boundary Concession	Blanshard Twp.
<u>West-Central Region</u>		
BRN	Bleams Road North	Wilmot Twp.
BRS	Bleams Road South	Wilmot Twp.
ERS	Egremont Road South	Wilmot Twp.
JT	Jones Tract	N. Cayuga Twp.
STR	South Talbot Road	Middleton Twp.
<u>Central Region</u>		
HSE	Hurontario Street East	Chinguacousy Twp.
HSW	Hurontario Street West	Chinguacousy Twp.
OS	Old Survey	King Twp.
R 3 CIR	Range 3 Credit Indian Reserve	Toronto Twp. (Old Survey)
1E	Conc. 1E (Yonge Street East)	East Gwillimbury Twp.
<u>Southeastern Region</u>		
MT	Military Tract	Hallowell Twp.

WELL INDEX

Southwestern Region

<u>County/Region</u>	<u>Municipality</u>	<u>Observation Well #</u>	<u>Page</u>
Essex	Sandwich East Twp.	164	2
	Colchester South Twp.	170	2
	Colchester South Twp.	171	3
	Colchester South Twp.	222	3
Grey	Sullivan Twp.	191	3
	Sullivan Twp.	192	4
	Sullivan Twp.	193	4
	Sullivan Twp.	194	4
	Sullivan Twp.	195	4
	Sullivan Twp.	196	4
	Sullivan Twp.	197	5
	Sullivan Twp.	198	5
	Sullivan Twp.	199	5
	Sullivan Twp.	200	5
	Sullivan Twp.	201	5
	Sullivan Twp.	202	6
	Sullivan Twp.	203	6
	Sullivan Twp.	204	6
	Sullivan Twp.	205	6
	Sullivan Twp.	211	6
	Sullivan Twp.	212	7
Huron	Morris Twp.	351	7
Kent	Bothwell	172	8
	Camden Twp.	217	8
Lambton	Alvinston	207	9
	Forest	56	9
Middlesex	Caradoc Twp.	206	10
	Lobo Twp.	100	10
	Westminster Twp.	29	11
	Westminster Twp.	71	11
	Westminster Twp.	91	12
	Westminster Twp.	513	12

# WELL INDEX

## Southwestern Region

<u>County/Region</u>	<u>Municipality</u>	<u>Observation Well #</u>	<u>Page</u>
Oxford	East Zorra Twp.	165	13
	East Zorra Twp.	166	13
	South Norwich Twp.	176	13
	South Norwich Twp.	177	14
	West Oxford Twp.	13	14
Perth	Blanshard Twp.	45	15
	Stratford	182	15

## West-Central Region

<u>County/Region</u>	<u>Municipality</u>	<u>Observation Well #</u>	<u>Page</u>
Brant	Burford Twp.	173	17
Dufferin	East Luther Twp.	46	17
Haldimand-Norfolk	Middleton Twp.	413	18
	North Cayuga Twp.	64	18
	North Walsingham Twp.	412	19
	South Walsingham Twp.	138	19
	South Walsingham Twp.	408	20
Niagara	North Grimsby Twp.	399	20
	Wainfleet Twp.	228	21
Waterloo	Elmira	33	21
	Kitchener	34	22
	Kitchener	35	22
	Kitchener	59	22
	Kitchener	82	23
	Wilmot Twp.	116	23
	Wilmot Twp.	117	23
	Wilmot Twp.	396	24
	Wilmot Twp.	514	24
	Wilmot Twp.	524	25
Wellington	Erin Twp.	432	25
	Puslinch Twp.	131	26
	Puslinch Twp.	213	26
	Puslinch Twp.	397	27
	Puslinch Twp.	544	27

Central Region

<u>County/Region</u>	<u>Municipality</u>	<u>Observation Well #</u>	<u>Page</u>
Durham	Pickering Twp.	302	29
	Pickering Twp.	329	29
	Pickering Twp.	405	30
	Pickering Twp.	406	30
	Pickering Twp.	512	31
	Uxbridge Twp.	301	31
Halton	Esquesing Twp.	414	32
	Esquesing Twp.	437	32
	Georgetown	377	33
	Oakville Twp.	415	33
	Trafalgar Twp.	374	34
	Burlington	531	34
Northumberland	Hope Twp.	530	35
Peel	Albion Twp.	251	35
	Albion Twp.	252	35
	Albion Twp.	253	36
	Chinguacousy Twp.	167	36
	Chinguacousy Twp.	168	37
	Toronto Twp.	65	37
Simcoe	Barrie	529	38
	Essa Twp.	7	38
	Wasaga Beach	373	39
Victoria	Mariposa Twp.	375	39
York	East Gwillimbury Twp.	344	40
	King Twp.	342	40
	King Twp.	343	41
	Markham Twp.	106	41
	Markham Twp.	305	42
	Markham Twp..	398	42
	North York	90	43
	Whitchurch Twp.	340	43

Southeastern Region

<u>County/Region</u>	<u>Municipality</u>	<u>Observation Well #</u>	<u>Page</u>
Hastings	Hungerford Twp.	209	45
	Sidney Twp.	400	45
	Thurlow Twp.	122	46
	Thurlow Twp.	256	46
	Thurlow Twp.	328	47
	Tyendinaga Twp.	123	47
Lennox & Addington	Ernestown Twp.	474	48
Prescott	Plantagenet Twp.	257	48
	West Hawkesbury Twp.	183	49
Prince Edward	Hallowell Twp.	178	49

Northeastern Region

<u>District</u>	<u>Municipality</u>	<u>Observation Well #</u>	<u>Page</u>
Algoma	Sault Ste. Marie	121	51



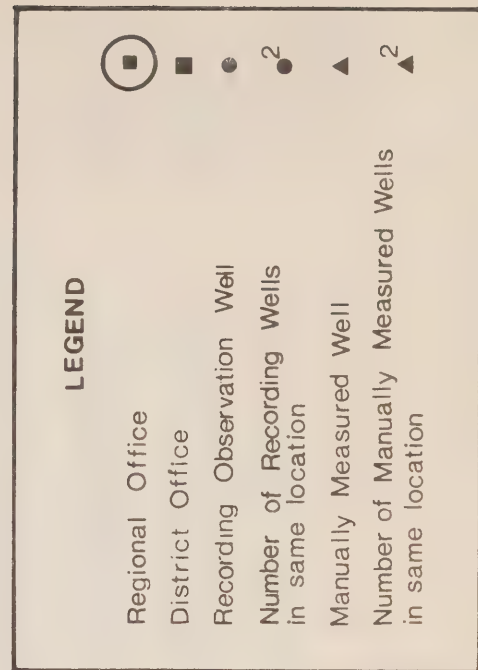
## OBSERVATION WELL DATA

**REGIONAL OFFICE  
LONDON  
985 Adelaide St. S.  
519-681-3600**

**DISTRICT OFFICES**  
Windsor  
3012 Tecumseh Rd. E.  
519-945-2339

**Sarnia**  
242A Indian Rd. S.  
519-336-4030

**Owen Sound**  
220 11th St. E.  
519-371-2901





ENVIRONMENT ONTARIO  
TORONTO  
ESSEX COUNTY

OBSERVATION WELL 171  
TOWNSHIP OF S. COLCHESTER

GURE  
LOT 15

WELL REC #1: 2103R51  
UTM CO=ORD: Z=17 E342649 N4654902  
LAT & LONG: 42=02NORTH 82=54WEST

REC METHOD: STEEL TAPE  
REC COMMCD: APR. 1 1966  
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 632 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN SILTY SAND 8; BROWN SAND WITH SOME COARSE SAND AND GRAVEL 23; GREY SAND, SILTY CLAY 26; GREY FINE SAND AND SOME GRAVEL 30; GREY, FINE TO MEDIUM SAND 32; GREY FINE SAND 37.

DIA METER OF WELL: 6 INCHES  
LENGTH OF CASING: 31 FEET  
LENGTH OF SCREEN: 6 FEET  
DEPTH OF WELL: 37 FEET

PUMP RATE: 15 IGPM  
SPEC. CAP: 2.34 IGPM/FT  
AQUIFER: FINE SAND  
QUALITY: FRESH

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/ 10.40						

ENVIRONMENT ONTARIO  
TORONTO  
ESSEX COUNTY

OBSERVATION WELL 222  
TOWNSHIP OF S. COLCHESTER

FC  
LOT 54

WELL REC #1: 2100602  
UTM CO=ORD: Z=17 E343580 N4650550  
LAT & LONG: 41=59NORTH 82=53WEST

REC METHOD: 435 RECORDER  
REC COMMCD: NOV 26 1968  
MEASURE PT: 3.7 FEET ABOVE GROUND SURFACE  
GND ELEV: 632 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK SANDY LOAM 1; FINE YELLOW SAND 4; GREY FINE SAND 15; HARDPAN 23; CLAY 48; QUICKSAND 53; HARDPAN 72; SILTY SAND 78; HARDPAN 105; FINE SAND 111; SAND AND HARDPAN 115; FINE TO COARSE SAND 122; BROWN LIMESTONE 125; DARK LIMESTONE 127.

DIA METER OF WELL: 6 INCHES  
LENGTH OF CASING: 123 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 127 FEET

PUMP RATE: 30 IGPM  
SPEC. CAP: N/A  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						26.37	31.15	33.11	26.01				1
2						25.92	30.01	31.71	25.94				2
3						26.89	29.62	32.40	25.98				3
4						26.17	30.51	29.62	25.88				4
5						25.33	30.81	28.43	25.76				5
6						25.15	32.84	27.71	25.68				6
7						25.08	30.09	26.89	25.74				7
8						25.32	28.77	26.78	25.69				8
9						26.56	27.96	26.60	25.61				9
10						25.81	27.31	26.65	25.58				10
11						25.01	26.89	26.56	25.68				11
12						25.00	27.62	26.50	25.50				12
13						27.57	29.49	26.44	25.41				13
14						30.11	30.75	26.26	25.34				14
15						33.39	30.30	26.17	25.35				15
16						35.69	29.67	26.14	25.26		22.54		16
17						29.77	33.31	26.19	25.31		22.45		17
18						30.13	29.91	26.14	25.09		22.26		18
19						31.29	28.24	26.15	25.08		22.11		19
20						34.49	27.40	25.93	25.09		21.95		20
21						39.48	26.93	25.85	25.07		21.86		21
22						36.21	26.75	25.92	25.05		21.80		22
23						34.58	26.43	25.86	25.10		21.69		23
24						39.10	26.20	25.84	25.10		21.70		24
25						38.95	26.28	25.86	25.08		21.59		25
26						38.88	26.26	26.14	25.50		21.63		26
27						38.18	27.57	25.99	25.42		21.59		27
28						37.96	28.46	26.01			21.49		28
29						34.83	30.60	25.89			21.44		29
30							32.59	25.84			21.44		30
31								25.97			21.49		31
MONTHLY SUMMARY													
MEAN						29.16		27.07					MEAN
INST						25.90		25.66					INST
MAX						(28)		(30)					MAX
INST						43.87		41.89					INST
MTN						( 6)		( 1)					MTN

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 191  
TOWNSHIP OF SULLIVAN

CONC. 3  
LOT 23

WELL REC #1: 2504249  
UTM CO=ORD: Z=17 E507875 N4910810  
LAT & LONG: 44=21NORTH 80=54WEST

REC METHOD: STEEL TAPE  
REC COMMCD: MAR. 30 1967  
MEASURE PT: 2.8 FEET ABOVE GROUND SURFACE  
GND ELEV: 1060 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 01; BOULDERS 07; SANDY CLAY 10; CLAYEY TILL AND BOULDERS 14; VERY BOULDERY TILL 29; SAND AND GRAVEL 30; DOLOMITE 31.

DIA METER OF WELL: 2 INCHES  
LENGTH OF CASING: 31 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 31 FEET

PUMP RATE: 20 IGPM  
SPEC. CAP: N/A  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 18.14									18/ 17.04 23/ 16.94	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 192

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 23

WELL REC #1 2504250  
UTM CO=0ND1 Z=17 E507875 N4910810  
LAT & LONG1 44=21NORTH 80=54WEST

REC METHOD01 STEEL TAPE  
REC COMMCD1 MAR, 30 1967  
MEASURE PT1 2.8 FEET ABOVE GROUND SURFACE  
GND ELEV1 1060 FEET ABOVE SEA LEVEL  
WELL TYPE1 DRILLED  
WELL LOG1 TOP SOIL 01; BOULDERS 07; SANDY CLAY 10; CLAYEY TILL AND BOULDERS 14; VE-Y BOULDERY TILL 29; SAND AND GRAVEL 30;  
DOLOMITE 55.

DIAMETER OF WELL1 2 INCHES  
LENGTH OF CASING1 52 FEET  
LENGTH OF SCREEN1 3 FEET  
DEPTH OF WELL1 55 FEET

PUMP RATE1 N.A.  
SPEC. CAP1 N.A.  
AQUIFER 1 DOLOMITE  
QUALITY 1 FRESH

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 17.90									18/ 16.82 23/ 16.69	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 193

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 23

WELL REC #1 2504251  
UTM CO=0ND1 Z=17 E507875 N4910810  
LAT & LONG1 44=21NORTH 80=54WEST

REC METHOD01 STEEL TAPE  
REC COMMCD1 MAR, 30 1967  
MEASURE PT1 2.8 FEET ABOVE GROUND SURFACE  
GND ELEV1 1060 FEET ABOVE SEA LEVEL  
WELL TYPE1 DRILLED  
WELL LOG1 TOPSOIL 01; BOULDERS 07; SANDY CLAY 10; CLAYEY TILL AND BOULDERS 14; VERY BOULDERY TILL 29; SAND AND GRAVEL 30;  
DOLOMITE 85.

DIAMETER OF WELL1 2 INCHES  
LENGTH OF CASING1 82 FEET  
LENGTH OF SCREEN1 3 FEET  
DEPTH OF WELL1 85 FEET

PUMP RATE1 N.A.  
SPEC. CAP1 N.A.  
AQUIFER 1 DOLOMITE  
QUALITY 1 FRESH

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 17.99									18/ 16.66 23/ 16.60	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 194

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 23

WELL REC #1 2503164  
UTM CO=0ND1 Z=17 E507900 N4910765  
LAT & LONG1 44=21NORTH 80=54WEST

REC METHOD01 STEEL TAPE  
REC COMMCD1 MAR 29 1968  
MEASURE PT1 3.5 FEET ABOVE GROUND SURFACE  
GND ELEV1 1064 FEET ABOVE SEA LEVEL  
WELL TYPE1 DRILLED  
WELL LOG1

DIAMETER OF WELL1 6 INCHES  
LENGTH OF CASING1 134 FEET  
LENGTH OF SCREEN1 NONE  
DEPTH OF WELL1 378 FEET

PUMP RATE1 130 IGPM  
SPEC. CAP1 3.17 IGPM/FT  
AQUIFER 1 DOLOMITE  
QUALITY 1 FRESH

VERY BOULDERY, BROWN CLAY TILL 39; LIGHT BUFF, FRACTURED DOLOMITE WITH SILT 48; BUFF GREY DOLOMITE, BITUMINOUS AT THE BASE 83; GREY AND TAN DOLOMITE 105; BUFF, LOOSE AND FRACTURED DOLOMITE WITH CLAY AND SILT 154; BUFF GREY DENSER DOLOMITE 192; GREY BROWN DOLOMITE, BITUMINOUS 213; LIGHT GREY DOLOMITE 266; GREY DOLOMITE 304; GREY, POROUS FOSSILIFEROUS AND CRYSTALLINE DOLOMITE 316.

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
31/ 21.70										23/ 23.62	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 195

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 22

WELL REC #1 2504255  
UTM CO=0ND1 Z=17 E507935 N4910840  
LAT & LONG1 44=21NORTH 80=54WEST

REC METHOD01 STEEL TAPE  
REC COMMCD1 APR, 15 1968  
MEASURE PT1 3.2 FEET ABOVE GROUND SURFACE  
GND ELEV1 1066 FEET ABOVE SEA LEVEL  
WELL TYPE1 DRILLED  
WELL LOG1

DIAMETER OF WELL1 1.5 INCHES  
LENGTH OF CASING1 368 FEET  
LENGTH OF SCREEN1 3 FEET  
DEPTH OF WELL1 371 FEET

PUMP RATE1 N.A.  
SPEC. CAP1 N.A.  
AQUIFER 1 DOLOMITE  
QUALITY 1 FRESH

GREY SANDY SILT TILL BOULDERS 40; BUFF BROKEN WEATHERED DOLOMITE 42; BUFF-GREY DOLOMITE, BITUMINOUS AT THE BASE 85; LIGHT GREY TAN DOLOMITE 115; BUFF-BROWN, LOOSE AND POROUS DOLOMITE WITH CLAY AND SILT 128; TAN-GREY DOLOMITE 178; DARK GREY DOLOMITE 196; BUFF-GREY DOLOMITE, BITUMINOUS 216; LIGHT GREY DOLOMITE 271; GREY DOLOMITE 299; POROUS GREY DOLOMITE, FOSSILIFEROUS 310; LIGHT AND DARK GREY DOLOMITE 344; LIGHT TO GREY DOLOMITE 366; GREY TO HUFFISH GREY DOLOMITE, SOME PYRITE CRYSTALLIZATION 371.

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 23.30									18/ 22.48 23/ 22.44	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 196

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 22

WELL REC #1 2504254  
UTM CO=0ND1 Z=17 E507935 N4910840  
LAT & LONG1 44=21NORTH 80=54WEST

REC METHOD01 STEEL TAPE  
REC COMMCD1 APR, 15 1967  
MEASURE PT1 3.2 FEET ABOVE GROUND SURFACE  
GND ELEV1 1066 FEET ABOVE SEA LEVEL  
WELL TYPE1 DRILLED  
WELL LOG1

DIAMETER OF WELL1 1.5 INCHES  
LENGTH OF CASING1 303 FEET  
LENGTH OF SCREEN1 3 FEET  
DEPTH OF WELL1 306 FEET

PUMP RATE1 N.A.  
SPEC. CAP1 N.A.  
AQUIFER 1 DOLOMITE  
QUALITY 1 FRESH

GREY SANDY SILT TILL BOULDERS 40; BUFF BROKEN WEATHERED DOLOMITE 42; BUFF-GREY DOLOMITE, BITUMINOUS AT THE BASE 85; LIGHT GREY TAN DOLOMITE 115; BUFF-BROWN, LOOSE AND POROUS DOLOMITE WITH CLAY AND SILT 128; TAN-GREY DOLOMITE 178; DARK GREY DOLOMITE 196; BUFF-GREY DOLOMITE, BITUMINOUS 216; LIGHT GREY DOLOMITE 271; GREY DOLOMITE 299; POROUS GREY DOLOMITE, FOSSILIFEROUS 306.

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 23.66									18/ 22.52 23/ 22.58	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 197

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 23

WELL REC #1 2504256  
UTM CO-ORD: Z=17 E508510 N4910380  
LAT & LONG: 44=22NORTH 80=54WEST

REC METHOD: STEEL TAPE  
REC COMMD: APR. 6 1967  
MEASURE PT: 2.8 FEET ABOVE GROUND SURFACE  
GND ELEV: 1161 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 01; VERY BOULDERY TILL 07; SANDY, GRAVELLY TILL 38; COARSE SAND AND FINE GRAVEL 53.

DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: 50 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 53 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1977

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
										18/ 45.76	
										23/ 46.43	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 198

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 23

WELL REC #1 2504257  
UTM CO-ORD: Z=17 E508510 N4910380  
LAT & LONG: 44=22NORTH 80=54WEST

REC METHOD: STEEL TAPE  
REC COMMD: APR. 6 1967  
MEASURE PT: 2.8 FEET ABOVE GROUND SURFACE  
GND ELEV: 1161 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 01; VERY BOULDERY TILL 07; SANDY, GRAVELLY TILL 38; COARSE SAND AND FINE GRAVEL 55; FINE SAND 74; SANDY SILT 80; SILTY CLAY 94; FINE SAND 96; SILTY CLAY 112; FINE SAND 120; COARSE GRAVEL 124; SANDY SILT 128; COARSE GRAVEL 130; DOLOMITE GUELPH FORMATION 132.

DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: 129 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 132 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: DOLOMITE  
QUALITY: FRESH

1977

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
										18/101.72	
										23/101.60	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 199

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 23

WELL REC #1 2504258  
UTM CO-ORD: Z=17 E508510 N4910380  
LAT & LONG: 44=22NORTH 80=54WEST

REC METHOD: STEEL TAPE  
REC COMMD: APR. 6 1967  
MEASURE PT: 2.8 FEET ABOVE GROUND SURFACE  
GND ELEV: 1161 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 01; VERY BOULDERY TILL 07; SANDY, GRAVELLY TILL 38; COARSE SAND AND FINE GRAVEL 55; FINE SAND 74; SANDY SILT 80; SILTY CLAY 94; FINE SAND 96; SILTY CLAY 112; FINE SAND 120; COARSE GRAVEL 124; SANDY SILT 128; COARSE GRAVEL 130; DOLOMITE GUELPH FORMATION 163.

DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: 160 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 163 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: DOLOMITE  
QUALITY: FRESH

1977

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
										18/100.80	
										23/100.80	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 200

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 23

WELL REC #1 2504259  
UTM CO-ORD: Z=17 E507240 N4910150  
LAT & LONG: 44=22NORTH 80=54WEST

REC METHOD: STEEL TAPE  
REC COMMD: MAR. 31 1967  
MEASURE PT: 2.9 FEET ABOVE GROUND SURFACE  
GND ELEV: 1036 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 02; SANDY GRAVELLY TILL, SOME BOULDERS 24; WEATHERED DOLOMITE, BROKEN ROCK 29.

DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: 29 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 29 FEET

PUMP RATE: FLOWING  
SPEC. CAP: N.A.  
AQUIFER: BROKEN ROCK  
QUALITY: FRESH

1977

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
										18/ 2.71	
										23/ 2.23	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 201

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 23

WELL REC #1 2504260  
UTM CO-ORD: Z=17 E507240 N4910150  
LAT & LONG: 44=22NORTH 80=54WEST

REC METHOD: STEEL TAPE  
REC COMMD: MAR. 31 1967  
MEASURE PT: 2.9 FEET ABOVE GROUND SURFACE  
GND ELEV: 1036 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 02; SANDY GRAVELLY TILL, SOME BOULDERS 24; WEATHERED DOLOMITE, BROKEN ROCK 29; DOLOMITE GUELPH FORMATION 47.

DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: 44 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 47 FEET

PUMP RATE: FLOWING  
SPEC. CAP: N.A.  
AQUIFER: DOLOMITE  
QUALITY: FRESH

1977

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
										18/ 0.20	
										23/ -0.41	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 202

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 23

WELL REC #: 2504261  
UTM CO-ORD: Z=17 E507240 N4910150  
LAT & LONG: 44=22NORTH 80=54WEST

REC METHOD: STEEL TAPE  
REC COMMCD: MAR, 31 1967  
MEASURE PT: 2.9 FEET ABOVE GROUND SURFACE  
GND ELEV: 1036 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 02; SANDY GRAVELLY TILL, SOME BOULDERS 24; WEATHERED DOLOMITE, BROKEN ROCK 29; DOLOMITE GUELPH FORMATION 47; DOLOMITE LOCKPORT FORMATION 75.

DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: 72 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 75 FEET

PUMP RATE: FLOWING  
SPEC. CAP: N.A.  
AQUIFER: DOLOMITE  
QUALITY: FRESH

1977

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 4.55									18/ 0.80 23/ 0.12	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 203

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 23

WELL REC #: 2504262  
UTM CO-ORD: Z=17 E507130 N4911300  
LAT & LONG: 44=22NORTH 80=54WEST

REC METHOD: STEEL TAPE  
REC COMMCD: MAR, 23 1967  
MEASURE PT: 2.65 FEET ABOVE GROUND SURFACE  
GND ELEV: 1020 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 01; SANDY, GRAVELLY TILL, SOME BOULDERS 31; BUFF DOLOMITE, GUELPH FORMATION 33.

DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: 33 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 33 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: DOLOMITE  
QUALITY: FRESH

1977

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 7.25									18/ 4.05 23/ 4.54	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 204

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 22

WELL REC #: 2504263  
UTM CO-ORD: Z=17 E507130 N4911300  
LAT & LONG: 44=22NORTH 80=54WEST

REC METHOD: STEEL TAPE  
REC COMMCD: MAR, 23 1967  
MEASURE PT: 2.65 FEET ABOVE GROUND SURFACE  
GND ELEV: 1020 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 01; SANDY GRAVELLY TILL, FEW BOULDERS 31; BUFF DOLOMITE, GUELPH FORMATION 43; LIGHT BROWN DOLOMITE, LOCKPORT FORMATION 49.

DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: 46 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 49 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: DOLOMITE  
QUALITY: FRESH

1977

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 12.48									18/ 9.65 23/ 9.51	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 205

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 22

WELL REC #: 2504264  
UTM CO-ORD: Z=17 E507130 N4911300  
LAT & LONG: 44=22NORTH 80=54WEST

REC METHOD: STEEL TAPE  
REC COMMCD: MAR, 23 1967  
MEASURE PT: 2.65 FEET ABOVE GROUND SURFACE  
GND ELEV: 1020 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 01; SANDY GRAVELLY TILL, FEW BOULDERS 31; BUFF DOLOMITE, GUELPH FORMATION 43; LIGHT BROWN DOLOMITE, LOCKPORT FORMATION 72.

DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: 69 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 72 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: DOLOMITE  
QUALITY: FRESH

1977

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 12.33									18/ 10.95 23/ 10.66	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 211

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 22

WELL REC #: 2504253  
UTM CO-ORD: Z=17 E507935 N4910840  
LAT & LONG: 44=22NORTH 80=54WEST

REC METHOD: STEEL TAPE  
REC COMMCD: APR, 15 1968  
MEASURE PT: 3.2 FEET ABOVE GROUND SURFACE  
GND ELEV: 1066 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN SANDY SILT, BOULDERS 40; BUFF BROKEN WEATHERED DOLOMITE 42; BUFF GREY DOLOMITE BITUMINOUS AT THE BASE 85; LIGHT GREY TAN DOLOMITE 115; BUFF BROWN LOOSE AND POROUS DOLOMITE WITH CLAY AND SILT 128; TAN GREY DOLOMITE 178; DARK GREY DOLOMITE 196; BUFF GREY DOLOMITE, BITUMINOUS 216; LIGHT GREY DOLOMITE 240.

DIAMETER OF WELL: 1.5 INCHES  
LENGTH OF CASING: 237 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 240 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: DOLOMITE  
QUALITY: FRESH

1977

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 23.64									18/ 22.52 23/ 22.22	

ENVIRONMENT ONTARIO  
TORONTO  
GREY COUNTY

OBSERVATION WELL 212

TOWNSHIP OF SULLIVAN

CONC. 3

LOT 22

WELL REC #: 2504252  
UTM CO-ORDS: Z=17 E507935 N4910840  
LAT & LONG: 44=22NORTH 80=54WEST

REC METHOD: STEEL TAPE  
REC COMMOD: APR. 15 1968  
MEASURE PT: 5.2 FEET ABOVE GROUND SURFACE  
GND ELEV: 1066 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN SANDY SILT, BOULDERS 40; BUFF BROKEN WEATHERED DOLOMITE 42; BUFF GREY DOLOMITE BITUMINOUS AT THE BASE 85;  
LIGHT GREY TAN DOLOMITE 115; BUFF BROWN LOOSE AND POROUS DOLOMITE WITH CLAY AND SILT 127.

DIAMETER OF WELL: 1.5 INCHES  
LENGTH OF CASING: 124 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 127 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: DOLOMITE  
QUALITY: FRESH

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	11/ 23.63									18/ 22.34 23/ 22.28	

ENVIRONMENT ONTARIO  
TORONTO  
HURON COUNTY

OBSERVATION WELL 351

TOWNSHIP OF MORRIS

CONC 8

LOT 26

WELL REC #: 3002706  
UTM CO-ORDS: Z=17 E476405 N4840820  
LAT & LONG: 43=44NORTH 81=14WEST

REC METHOD: A35 RECORDER  
REC COMMOD: JAN 1 1972  
MEASURE PT: 3.00 FEET ABOVE GROUND SURFACE  
GND ELEV: 1142 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK MUCK 5; GREY QUICKSAND AND BOULDERS 41; GREY CLAY AND STONES 46; GREY CLAY, STONES AND HARDPAN 64;  
LIMESTONE 150.

DIAMETER OF WELL: 5 INCHES  
LENGTH OF CASING: 147 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 150 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	24.90	25.10	25.05	22.89	23.63	24.54	25.69	27.08	25.85	24.68	24.16		1
2	25.16	25.31	25.13	22.46	23.67	24.74	25.97	27.17	25.80	24.67	24.17		2
3	25.09	24.95	25.12	22.75	23.79	24.99	26.05	27.18	25.79	24.66	24.19		3
4	25.03	24.91	24.69	22.49	23.65	24.97	26.03	27.23	25.66	24.59	24.32		4
5	25.10	24.98	24.73	22.19	23.47	24.87	26.05	27.24	25.56	24.41	24.39		5
6	24.96	25.29	24.88	22.69	23.58	24.77	25.99	27.24	25.63	24.39	24.27		6
7	24.83	25.43	24.82	22.81	23.79	24.81	25.99	27.22	25.64	24.45	24.13		7
8	25.06	25.41	24.77	22.98	23.73	24.80	26.11	27.16	25.62	24.42	24.13		8
9	25.13	25.17	24.60	22.99	23.83	24.98	26.26	27.20	25.42	23.87	24.16		9
10	24.66	25.23	24.61	22.86	23.86	25.14	26.38	27.09	25.42	24.07	23.97		10
11	25.01	25.14	24.62	22.79	23.95	25.08	26.32	27.12	25.60	23.98	24.02		11
12	25.19	25.06	24.27	22.85	23.95	25.08	26.24	27.14	25.58	23.96	24.33		12
13	25.26	24.74	23.82	22.74	23.94	25.22	26.34	27.04	25.40	24.16	24.47		13
14	24.96	24.96	23.78	22.86	24.03	25.25	26.48	27.19	25.71	23.81	24.01		14
15	24.90	25.19	23.54	22.91	24.16	25.30	26.46	27.19	25.71	23.81	24.01		15
16	24.94	25.27	23.36	22.94	24.22	25.28	26.51	26.97	25.62	23.84	23.85		16
17	24.85	25.22	23.28	22.95	24.19	25.17	26.51	26.78	25.54	23.82	23.78		17
18	24.89	25.06	22.83	22.95	24.18	25.13	26.56	26.77	25.42	23.70	23.87		18
19	24.85	25.05	23.05	22.98	24.28	25.19	26.55	26.68	25.35	23.82	24.17		19
20	24.91	25.08	22.86	23.08	24.32	25.25	26.60	26.56	25.34	24.00	24.10		20
21	24.99	25.07	22.99	23.12	24.36	25.44	26.69	26.30	25.49	24.01	23.93		21
22	25.20	24.93	22.80	23.17	24.40	25.54	26.87	26.14	25.54	24.09	24.10		22
23	25.16	25.11	22.92	23.19	24.48	25.59	26.89	26.15	25.45	24.26			23
24	24.90	24.78	23.06	23.09	24.52	25.54	26.81	26.14	25.27	24.18			24
25	24.77	24.80	23.11	23.07	24.53	25.44	26.75	26.20	25.13	24.06			25
26	24.62	25.09	23.12	23.15	24.53	25.54	27.02	26.09	24.91	23.93			26
27	24.62	24.90	22.96	23.17	24.51	25.62	27.12	25.99	24.91	23.96			27
28	24.66	25.05	22.72	23.40	24.46	25.56	27.12	25.97	24.99	24.10			28
29	24.83		22.67	23.61	24.69	25.55	27.03	25.94	24.98	24.23			29
30	24.98		22.65	23.66	24.80	25.71	27.04	25.97	24.87	24.24			30
31	24.93		22.76		24.70		27.02	25.91		24.21			31

MONTHLY SUMMARY

MEAN	24.95	25.08	23.73	22.96	24.14	25.20	26.50	26.71	25.43	24.14		MEAN
INST	24.41	24.68	22.56	22.08	23.44	24.49	25.61	25.85	24.82	23.67		INST
MAX	(26)	(13)	(30)	( 5)	( 5)	( 1)	( 1)	(31)	(30)	(18)		MAX
INST	25.32	25.48	25.20	23.69	24.83	25.79	27.17	27.25	25.87	24.82		INST
MIN	(13)	( 8)	( 3)	(30)	(30)	(30)	(27)	( 4)	( 1)	( 1)		MIN

ENVIRONMENT ONTARIO  
TORONTO  
KENT COUNTY

OBSERVATION WELL 172

TOWN OF ROTHWELL

CONC. =

LOT =

WELL REC #1 3300023  
UTM CO-ORD: Z=17 E42A050 N4720550  
LAT & LONG: 42=38N00TH R1=53W0ST

REC METHOD: A35 RECORDER  
REC COMMCD: JUN. 5 1966  
MEASURE PT: 2.4 FEET ABOVE GROUND SURFACE  
GND ELEV: 662 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN FINE SAND 10; BROWN FINE SILTY SAND 15; BROWN AND GREY FINE SAND WITH SOME FINE GRAVEL, COARSE SAND SEAMS 20; GREY SILTY FINE SAND 28; GREY COARSE SAND AND FINE TO MEDIUM GRAVEL 34; GREY SILTY CLAY TILL 35.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 30 FEET  
LENGTH OF SCREEN: 4 FEET  
DEPTH OF WELL: 34 FEET

PUMP RATE: 30 IGPM  
SPEC. CAP: 2.29 IGPM/FT  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.87	5.34	3.83			4.64	5.60	6.18	6.62	5.33			1
2	4.91	5.38	3.92			4.65	5.62	6.20	6.63	5.33			2
3	4.93	5.38	3.97			4.70	5.64	6.22	6.64	5.34			3
4	4.95	5.39	3.79			4.73	5.66	6.24	6.64	5.34			4
5	4.96	5.40	3.33			4.78	5.69	6.26	6.67	5.35			5
6	4.98	5.40	3.36			4.77	5.70	6.27	6.70	5.37			6
7	5.00	5.40	3.45			4.71	5.70	6.29	6.71	5.41			7
8	5.02	5.41	3.49			4.76	5.69	6.30	6.71	5.43			8
9	5.03	5.43	3.44			4.81	5.69	6.32	6.73	5.24			9
10	5.06	5.48	3.31			4.86	5.71	6.34	6.73	4.89			10
11	5.10	5.48				4.90	5.73	6.35	6.74	4.82			11
12	5.11	5.44				4.95	5.76	6.36	6.76	4.81			12
13	5.12	5.13				4.98	5.76	6.37	6.77	4.82			13
14	5.13	5.07				5.01	5.79	6.37	6.78	4.83			14
15	5.13	5.03				5.06	5.83	6.38	6.79	4.84			15
16	5.14	5.00				5.10	5.86	6.39	6.79	4.87			16
17	5.15	5.00				5.13	5.87	6.39	6.75	4.88			17
18	5.16	5.03				5.16	5.87	6.41	6.72	4.88			18
19	5.19	5.11			3.80	5.20	5.87	6.42	6.60	4.91			19
20	5.21	5.14			3.94	5.24	5.90	6.43	6.60	4.96			20
21	5.21	5.17			4.03	5.28	5.92	6.45	6.22	4.99			21
22	5.22	5.22			4.10	5.33	5.96	6.46	6.11	5.04		2.84	22
23	5.23	5.22			4.14	5.36	5.99	6.49	6.05	5.06		2.94	23
24	5.24	4.75			4.19	5.39	6.01	6.51	6.01	5.07		2.89	24
25	5.23	4.11			4.27	5.43	6.03	6.52	5.98	5.09		2.85	25
26	5.24	3.90			4.32	5.47	6.05	6.53	5.90			2.87	26
27	5.24	3.74			4.39	5.49	6.08	6.55	5.61			3.13	27
28	5.26	3.74			4.46	5.52	6.11	6.56	5.39			3.29	28
29	5.27				4.53	5.56	6.12	6.57	5.34			3.39	29
30	5.28				4.59	5.58	6.14	6.58	5.33			3.44	30
31	5.32				4.63		6.15	6.60				3.46	31
MEAN	5.13	5.05				5.08	5.85	6.40	6.39				MEAN
INST MAX	4.86 (1)	3.72 (28)				4.64 (1)	5.59 (1)	6.17 (1)	5.33 (30)				INST MAX
INST MIN	5.34 (31)	5.48 (11)				5.59 (30)	6.17 (31)	6.62 (31)	6.79 (16)				INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
KENT COUNTY

OBSERVATION WELL 217

TOWNSHIP OF CAMDEN

GORE 3

LOT 2

WELL REC #1 3305579  
UTM CO-ORD: Z=17 E401725 N4715000  
LAT & LONG: 42=35N00TH R2=12W0ST

REC METHOD: A35 RECORDER  
REC COMMCD: SEP. 20 1968  
MEASURE PT: 1.22 FEET ABOVE GROUND SURFACE  
GND ELEV: 555 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: CLAY 48; CLAY AND GRAVEL 53; SAND, GRAVEL AND BOULDERS 66; GRAVEL AND CLAY 75; HARDPAN AND GRAVEL 95; GRAVEL AND CLAY 105; GRAVEL 150.

DIAMETER OF WELL: 10 INCHES  
LENGTH OF CASING: 150 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 150 FEET

PUMP RATE: N/A.  
SPEC. CAP: N/A.  
AQUIFER: GRAVEL  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	88.26			88.08	87.89								1
2	88.57			87.53	87.82								2
3	88.41			87.74	87.98								3
4	88.36			87.55	87.70								4
5	88.42			86.98	87.40								5
6	88.23			87.68	87.47								6
7	88.06			87.95	87.74								7
8	88.34			88.23	87.62								8
9	88.33			88.32	87.74								9
10	87.62			88.10	87.75								10
11	88.32		88.23	88.01	87.77								11
12	88.55		88.00	88.10	87.74								12
13	88.63		87.59	87.91	87.62								13
14	88.14		87.80	88.00	87.65								14
15	88.07		87.84	88.05	87.78								15
16	88.17		87.82	88.04	87.83								16
17	88.13		87.99	87.98	87.74								17
18	88.08		87.39	87.91	87.64								18
19	88.02		87.84	87.84	87.73								19
20	88.07		87.67	87.91	87.73								20
21	88.20		87.99	87.93	87.73								21
22	88.51		87.65	87.91	87.73								22
23	88.55		87.93	87.87	87.79							86.42	23
24	88.12		88.16	87.65	87.80							86.42	24
25	87.86		88.25	87.50	87.74							86.31	25
26	87.69		88.25	87.55	87.67							86.20	26
27	87.57		88.03	87.49	87.55							86.45	27
28			87.60	87.64	87.74							86.64	28
29			87.48	87.99	87.48							86.73	29
30			87.57	87.98								86.70	30
31			87.73									86.70	31
MEAN				87.85									MEAN
INST MAX				86.89 (5)									INST MAX
INST MIN				88.40 (8)									INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
LAMBTON COUNTY

OBSERVATION WELL 207

VILLAGE OF ALVINGTON

CONC =

LOT =

WELL REC #1 3400010  
WTH CO=ORD: Z=17 E429160 N4740965  
LAT & LONG: 4240940N 814534E

REC METHOD: A35 RECORDER  
REC COMM: JUN 26 1967  
MEASURE PT: 2.8 FEET ABOVE GROUND SURFACE  
GND ELEV: 720 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: SAND 18; BLUE CLAY 75; SHALE GRAVEL 76; BLACK SHALE 78.

DIAMETER OF WELL: 7 INCHES  
LENGTH OF CASING: 78 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 78 FEET

PUMP RATE: 24 IGPM  
SPEC. CAP: 2.66 IGPM/FT  
AQUIFER: SHALE  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			37.17	37.20	37.17	37.43	36.21	35.14	35.07	35.38			1
2			37.33	36.64	37.13	37.73	36.25	35.25	35.15	35.44			2
3			37.29	36.75	37.30	38.22	36.31	35.24	35.18	35.23			3
4			36.73	36.75	37.22	38.13	36.15	35.14	35.09	35.07			4
5			36.77	36.27	37.21	37.83	36.12	35.11	35.28	35.10			5
6			36.99	36.78	37.12	37.47	35.89	35.11	35.17	35.06			6
7			37.00	37.08	37.26	37.56	35.80	35.01	35.04	34.86			7
8			37.04	37.18	37.09	37.73	35.81	34.83	35.03	35.19			8
9			36.89	37.30	37.16	37.68	35.87	34.86	35.14	35.52			9
10			36.99	37.15	37.27	37.68	35.96	34.87	35.32	35.31			10
11			37.13	37.09	37.62	37.49	35.76	34.88	35.10	34.94			11
12			37.08	37.20	37.50	37.50	35.62	34.96	34.99	34.82			12
13			36.80	37.11	37.26	37.41	35.69	34.83	34.93	35.07			13
14			36.92	37.15	37.20	37.23	34.94	34.75	34.84	35.08			14
15			36.98	37.18	37.37	37.12	35.90	34.95	35.33	34.66			15
16			36.92	37.18	37.69	36.98	35.92	34.89	35.34	34.57			16
17			37.03	37.42	37.72	36.69	36.06	34.67	35.36	34.57			17
18			36.38	37.24	37.85	36.59	35.83	34.76	35.25	34.41			18
19			37.05	37.19	37.78	36.49	35.79	34.88	34.87	34.56			19
20			36.84	37.26	38.21	36.44	35.69	35.01	34.76	34.93			20
21			37.05	37.25	38.32	36.47	35.62	35.10	34.93	35.18			21
22			36.66	37.18	38.14	36.84	35.68	35.26	35.17	35.25		34.24	22
23		37.25	36.90	37.06	38.07	36.80	35.67	35.26	35.17	35.30		34.09	23
24		36.81	37.07	36.87	38.18	36.53	35.47	34.95	34.98	35.27		33.88	24
25		36.81	37.09	36.74	38.00	36.88	35.27	35.04	34.75	35.27			25
26		37.11	37.08	36.79	38.13	36.62	35.54	35.07	34.64	35.15			26
27		36.81	36.93	36.80	38.13	36.64	35.72	35.08	34.72	34.91			27
28		37.14	36.57	36.96	38.06	37.00	35.57	35.07	34.96	34.82			28
29			36.57	37.30	38.01	36.69	35.40	35.10	35.00	34.69			29
30			36.75	37.22	37.99	36.52	35.29	35.11	35.16	34.98			30
31			36.83		37.85		35.24	35.14					31
MONTHLY SUMMARY													
MEAN			36.93	37.04	37.65	37.15	35.74	35.00	35.06				MEAN
INST MAX			36.15 (18)	36.15 (5)	36.98 (8)	36.32 (24)	34.37 (14)	34.64 (17)	34.46 (26)				INST MAX
INST MIN			37.43 (2)	37.50 (17)	38.58 (21)	38.34 (3)	36.35 (3)	35.36 (22)	35.52 (15)				INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
LAMBTON COUNTY

OBSERVATION WELL 056

TOWN OF FOREST

CONC =

LOT =

WELL REC #1 3404047  
WTH CO=ORD: Z=17 E418500 N4771920  
LAT & LONG: 4340640N 824004E

REC METHOD: IF TYPE RECORDER  
REC COMM: MAY 8 1968  
MEASURE PT: 1.67 FEET ABOVE GROUND SURFACE  
GND ELEV: 700 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: CLAY 110.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 110 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 110 FEET

PUMP RATE: N/A  
SPEC. CAP: N/A  
AQUIFER: CLAY  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					95.69	99.01	98.96	97.66	98.14	96.84	96.96		1
2					95.67	99.29		97.82	98.11	97.23	96.99		2
3					95.89	99.49		97.88	98.08	97.56	97.08		3
4								97.70	97.88	97.79	97.19		4
5		95.82					99.14	97.72	97.76	97.70	97.54		5
6		96.13					98.92	97.75	97.91				6
7		96.41	95.51		95.81	99.10	98.77		98.04		96.82		7
8	96.32		95.57		95.86	98.96	98.83	97.37	98.03	97.35	96.90		8
9	96.70		95.22		95.83	99.09		97.65	97.90	97.24	97.06		9
10			95.44		95.93			97.43	97.88	97.52		96.99	10
11	96.18			94.64	95.07	99.26	98.71	97.55	98.09	97.37	96.75	96.84	11
12				94.98	96.07	99.18	98.51	97.62	98.13			96.52	12
13				94.45	96.26	99.21	98.56	97.42	97.76				13
14			95.62	94.76	96.56	99.22	98.65	97.47	97.85		96.90		14
15		96.02		95.85	99.23			97.67	98.07		96.60		15
16				96.12	96.96	99.21		97.81	97.94				16
17				96.66	97.24			97.56	97.77				17
18				96.66	97.31	99.03	98.35	97.77	97.45				18
19				95.13	97.31	98.69	98.15	97.57	97.35	96.88	97.06	98.02	19
20			95.14		97.91	98.65	98.24	97.69	97.46	97.07	96.87		20
21			96.31		98.12	98.94	98.31	97.46		97.27		97.59	21
22			96.08		98.31	99.15	98.32	97.31		97.39		97.72	22
23			95.25	94.95	98.50	99.31	98.32	97.58		97.54		97.74	23
24				94.63	98.74	99.17	97.89	97.76	97.43	97.45			24
25					98.90	98.91	97.74	97.95	97.21	97.21			25
26		95.50			99.01	99.00	98.15	98.04	97.16	97.09	96.20		26
27		95.33	94.83		98.98	99.03	98.26	97.91	97.23		96.55		27
28			94.38		99.00	99.00	98.13	98.22	97.33		96.61		28
29			94.52		99.40	99.04	97.86	98.14			97.27		29
30			94.36	95.69	99.66	99.11		98.23			96.80		30
31					99.53		97.60	98.22		97.02		98.37	31
MONTHLY SUMMARY													
MEAN													MEAN
INST MAX													INST MAX
INST MIN													INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 206  
TOWNSHIP OF CARADOC

RANGE 1 LOT 15  
WELL RFC #: 4106020  
UTM CO-ORD: 7=17 E460740 N4747920  
LAT & LONG: 42=53NORTH 81=29WEST

REC METHOD: 151 TYPE RECORDER  
REC COMM: JUN 27 1967  
MEASURE PT: 3.25 FEET ABOVE GROUND SURFACE  
GND FLEV: 740 FEET ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: OVERBURDEN 22'

DIAMETER OF WELL: 72 INCHES  
LENGTH OF CASING: 22 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 22 FEET

PUMP RATE: N/A  
SPEC. CAP: N/A  
ADITFER: OVERBURDEN  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.59	5.17	3.95	1.77	3.24	5.13	5.93		6.60	4.66	4.53		1
2	4.64	5.17	3.88	1.77		5.16	6.74		6.61	4.56	4.55		2
3	4.68	5.17	3.90	1.12	3.40	5.31	7.65	6.37	6.62	4.54	4.59		3
4	4.71	5.21	3.64		3.48	6.74	7.31	6.40	6.63	4.55	4.57		4
5	4.74	5.26	2.03		3.44	7.17	6.90	6.43	6.63	4.54	4.61		5
6	4.77	5.28	2.14		3.48	6.66	6.64	6.42	6.64	4.54	4.62		6
7	4.79	5.29	2.36		3.57	6.28	6.44	6.43	6.65	4.62	4.62		7
8	4.82	5.30	2.26		3.65	6.03	6.26	6.42	6.65	4.64	4.60		8
9	4.85	5.31	0.99		3.73	5.86	6.14	6.42	6.67	4.64	4.58	3.12	9
10	4.87	5.31	0.72		3.80	5.77	6.04	6.41	6.70	4.17	4.49	3.22	10
11	4.89	5.31	0.98		3.87	5.72	5.97	6.41	6.71	4.09	4.32	3.26	11
12	4.92	5.28	0.90		3.95	5.66	5.94	6.41	6.73	4.05	4.18	3.26	12
13	4.94	5.22	0.17		4.01	5.63	5.93	6.40	6.71	4.06	4.09	3.25	13
14	4.96	5.15	0.35		4.25	5.63	5.96	6.38	6.69	4.08	4.01	1.65	14
15	4.97	5.08	0.63	3.20	4.57	5.62	6.03	6.38	6.68	4.00	3.94	0.84	15
16	4.99	5.03	1.02	3.29	4.55	5.63	6.14	6.39	6.66	4.11	3.79	0.95	16
17	5.01	4.99	1.38	3.37	4.48	5.65	6.18	6.40	6.63	4.12	3.57	1.08	17
18	5.03	4.95	1.61	3.41	4.47	5.67	6.14	6.41	6.59	4.15	3.50	1.02	18
19	5.06	4.94	1.89	3.43	4.46	5.68	6.13	6.44	6.50	4.19	3.50	0.91	19
20	5.08	4.93	1.97	3.46	4.48	5.71	6.14	6.46	6.23	4.23	3.52	0.91	20
21	5.10	4.92	2.13	3.50	4.51	5.73	6.17	6.46	6.02		3.43	1.02	21
22	5.11	4.92	1.83	3.41	4.55	5.75	6.18	6.47	5.86		3.39	1.40	22
23	5.13	4.92	2.05	2.02	4.60	5.77	6.19	6.50	5.74		3.40	1.68	23
24	5.14	4.86	2.22	1.74	4.80	5.79	6.27	6.51	5.61		3.34	1.81	24
25	5.16	4.82	2.48	1.92	4.94	5.80	6.42	6.53	5.34	4.35	3.30	1.25	25
26	5.16	4.84	2.52	1.79	4.94	5.81	6.66	6.54	4.99	4.37		2.44	26
27	5.16	4.81	2.44	2.23	4.97	5.84	6.69	6.54	4.81	4.39		3.12	27
28	5.16	4.08	1.60	2.63	4.99	5.87	6.57	6.54	4.74	4.42		3.49	28
29	5.16		0.81	2.90	5.03	5.86	6.52	6.55	4.69	4.41		3.72	29
30	5.16		1.24	3.09	5.07	5.84		6.58	4.64	4.47		3.84	30
31	5.17		1.46		5.10			6.59		4.50		3.92	31

MEAN	4.97	5.02	1.86										
INST	4.57	4.00	0.09						6.17				MEAN
MAX	(1)	(28)	(13)			5.12			4.62				INST
MIN	5.17	5.31	4.00			7.64			6.73				INST
	(31)	(10)	(1)			(4)			(12)				MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 100  
TOWNSHIP OF LOBO

CONC. 2 LOT 5  
WELL RFC #: 4106413  
UTM CO-ORD: 2=17 E464840 N4755200  
LAT & LONG: 81=27NORTH 42=55WEST

REC METHOD: 151 TYPE RECORDER  
REC COMM: MAY 16 1963  
MEASURE PT: 0.25 FEET ABOVE GROUND SURFACE  
GND FLEV: 802 FEET ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: BROWN SAND AND GRAVEL 22'

DIAMETER OF WELL: 36 INCHES  
LENGTH OF CASING: 22 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 22 FEET

PUMP RATE: N/A  
SPEC. CAP: N/A  
ADITFER: SAND AND GRAVEL  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	14.38	14.65	14.51			13.01	13.68			14.39	14.71		1
2	14.39	14.66	14.50			13.03	13.71			14.40	14.72		2
3	14.39	14.66	14.50			13.06	13.73			14.41	14.74		3
4	14.40	14.67	14.47		12.52	13.07	13.75			14.42	14.75		4
5	14.41	14.67	14.25		12.52		13.76			14.43	14.76		5
6	14.42	14.67	14.09		12.54		13.78			14.44	14.77		6
7	14.43	14.67	14.04		12.58		13.78			14.44	14.77		7
8	14.43	14.68	14.02		12.58		13.76			14.44	14.77		8
9	14.44	14.70	13.98		12.62		13.79			14.44	14.78		9
10	14.44	14.71	13.81		12.63		13.81			14.45	14.77		10
11	14.45	14.71	13.56		12.65		13.82			14.45	14.73		11
12	14.46	14.71	13.43		12.67		13.84			14.46	14.73		12
13	14.46	14.70	13.28		12.68		13.86			14.46	14.73		13
14	14.47	14.69	13.18		12.70		13.88			14.47	14.73		14
15	14.47	14.70	13.14		12.73		13.90			14.47	14.73		15
16	14.48	14.70	13.13		12.75		13.93			14.47	14.71		16
17	14.48	14.72	13.16		12.76		13.92			14.47	14.68		17
18	14.49	14.73	13.15		12.76		13.94			14.47	14.67		18
19	14.50	14.73	13.20		12.77		13.97			14.47	14.65		19
20	14.51	14.74			12.79		13.99			14.47	14.63		20
21	14.53	14.75			12.80		13.92			14.47	14.60		21
22	14.54	14.76			12.82		13.94		14.66	14.47	14.59		22
23		14.76			12.84		13.96		14.68	14.47	14.57		23
24		14.73			12.86		13.99		14.68		14.55		24
25		14.71			12.87		14.00		14.60		14.53		25
26		14.59			12.89		14.03		14.53		14.52		26
27	14.63	14.57			12.90		14.05		14.45		14.50		27
28	14.63	14.54			12.92		14.07		14.41	14.66	14.48		28
29	14.63				12.95	13.65	14.09		14.41	14.68			29
30	14.64				12.98	13.67	14.12		14.40	14.69			30
31	14.64				13.01					14.70			31

MEAN		14.69											
INST		14.52											MEAN
MAX		(28)											INST
MIN		14.77											INST
		(24)											MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 029

TOWNSHIP OF WESTMINSTER

CORE

LOT 4R

WELL REC #1 4103521  
UTM CO=NRD1 Z=17 E4716A0 N4753A00  
LAT & LONG1 42=56N08TH R2=21WEST

REC METHOD1 A35 RECORDER  
REC COMM1 JAN 24 1952  
MEASURE PT1 3.6 FEET ABOVE GROUND SURFACE  
GND ELFV1 805 FEET ABOVE SEA LEVEL  
WELL TYPE1 DRILLED

DIAMETER OF WELL1 8 INCHES  
LENGTH OF CASING1 96 FEET  
LENGTH OF SCREEN1 NONE  
DEPTH OF WELL1 96 FEET

PUMP RATE1 N/A.  
SPEC. CAP1 N/A.  
AQUIFER1 SAND & GRAVEL  
QUALITY1 FRESH

WELL LOG1 TOPSOIL 4; GRAVEL AND FINE SAND 30; GRAVEL AND FINE SAND 61; BLUE CLAY AND GRAVEL 74; GRAVEL AND CLAY 90; BLUE CLAY 96; BEDROCK 96.

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1							5.33	5.53	5.82				1
2							5.33	5.54	5.82				2
3							5.35	5.56	5.84				3
4							5.36	5.57	5.85				4
5							5.37	5.58	5.85				5
6							5.38	5.59	5.86				6
7							5.39	5.60	5.87				7
8							5.39	5.60					8
9							5.41	5.60					9
10							5.41	5.60					10
11							5.42	5.61					11
12							5.44	5.62					12
13							5.44	5.64					13
14							5.45	5.65					14
15							5.46	5.66					15
16						5.20	5.47	5.67					16
17						5.21	5.46	5.68					17
18						5.22	5.46	5.69					18
19						5.22	5.46	5.70					19
20						5.23	5.46	5.71					20
21						5.24	5.45	5.72					21
22						5.26	5.45	5.73					22
23						5.27	5.45	5.74					23
24						5.28	5.45	5.74					24
25						5.29	5.45	5.76					25
26						5.31	5.46	5.77					26
27						5.32	5.47	5.77					27
28						5.33	5.48	5.78					28
29						5.33	5.49	5.79					29
30						5.34	5.51	5.80					30
31							5.52	5.81					31
MONTHLY SUMMARY													
MEAN							5.43	5.67					MEAN
INST							5.33	5.53					INST
MAX							( 1 )	( 1 )					MAX
INST							5.53	5.81					INST
MIN							(31)	(31)					MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 071

TOWNSHIP OF WESTMINSTER

NTR E

LOT 62

WELL REC #1 4105766  
UTM CO=NRD1 Z=17 E47843A N47478A00  
LAT & LONG1 42=53N08TH R1=16WEST

REC METHOD1 A35 RECORDER  
REC COMM1 OCT 16 1958  
MEASURE PT1 0.0 FEET ABOVE GROUND SURFACE  
GND ELFV1 842 FEET ABOVE SEA LEVEL  
WELL TYPE1 DUG  
WELL LOG1 CLAY 45.

DIAMETER OF WELL1 36 INCHES  
LENGTH OF CASING1 45 FEET  
LENGTH OF SCREEN1 NONE  
DEPTH OF WELL1 45 FEET

PUMP RATE1 N/A.  
SPEC. CAP1 N/A.  
AQUIFER1 CLAY  
QUALITY1 FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	A.86	A.85	A.54	6.60	6.29	7.55	A.12	A.50	8.91	7.71	6.79		1
2	A.86	A.85	A.54	6.59	6.34	7.58	A.13	A.51	8.92	7.61	6.80		2
3	A.86	A.84	A.54	6.41	6.39	7.60	A.15	A.52	8.94	7.50	6.82		3
4	A.86	A.87	A.49	6.32	6.45	7.63	A.17	A.53	8.96	7.45	6.83		4
5	A.86	A.87	A.32	6.23	6.50	7.65	A.19	A.53	8.97	7.44	6.85		5
6	A.86	A.87	A.31	6.14	6.55	7.67	A.20	A.55	8.99	7.44	6.86		6
7	A.86	A.87	A.31	6.14	6.61	7.69	A.21	A.56	9.01	7.44	6.87		7
8	A.86	A.87	A.31	6.14	6.66	7.72	A.23	A.57	9.03	7.45	6.87		8
9	A.87	A.87	A.29	6.14	6.71	7.74	A.24	A.58	9.04	7.42	6.89		9
10	A.86	A.89	A.23	6.14	6.77	7.76	A.26	A.59	9.06	7.47	6.89		10
11	A.86	A.91	A.14	6.14	6.81	7.78	A.27	A.61	9.08	7.58	6.87		11
12	A.86	A.88	A.12	6.24	6.85	7.79	A.28	A.62	9.10	7.54			12
13	A.86	A.78	7.64	6.24	6.89	7.81	A.29	A.63	9.12	7.50			13
14	A.86	A.77	7.51	6.34	6.94	7.83	A.31	A.64	9.13	7.46			14
15	A.86	A.77	7.47	6.34	6.94	7.85	A.32	A.66	9.15	7.45			15
16	A.86	A.78	7.46	6.35	7.02	7.86	A.33	A.68	9.17	7.45			16
17	A.86	A.79	7.46	6.45	7.06	7.88	A.34	A.70	9.18	7.45			17
18	A.86	A.79	7.46	6.57	7.10	7.90	A.34	A.72	9.19	7.45			18
19	A.86	A.80	7.50	6.62	7.14	7.91	A.35	A.73	9.14	7.47			19
20	A.86	A.81	7.49	6.69	7.17	7.93	A.36	8.74	8.83	7.49			20
21	A.86	A.82	7.46	6.74	7.21	7.95	A.37	A.75	8.80	7.52			21
22	A.85	A.83	7.36	6.79	7.26	7.98	A.38	A.77	8.80	7.55			22
23	A.86	A.84	7.30	6.84	7.29	8.00	A.40	A.78	8.80	7.58			23
24	A.85	A.75	7.24	6.35	7.32	8.01	A.41	A.79	8.81	7.59			24
25	A.85	A.62	7.23	6.24	7.35	8.03	A.42	A.80	8.85	7.64			25
26	A.85	A.62	7.23	6.14	7.38	8.05	A.43	A.81	8.80	7.67			26
27	A.85	A.59	7.23	6.14	7.41	8.06	A.44	A.83	7.78	7.69			27
28	A.85	A.54	7.14	6.14	7.44	8.08	A.45	A.84	7.71	7.72			28
29	A.85		6.74	6.12	7.47	8.10	A.47	A.86	7.70	7.74			29
30	A.85		6.67	6.24	7.50	8.11	A.47	A.88	7.70	7.75		7.71	30
31	A.85		6.63		7.53		A.49	A.89		7.77		7.85	31
MONTHLY SUMMARY													
MEAN	A.86	A.80	7.69	6.36	6.98	7.85	A.32	A.62	A.79	A.83			MEAN
INST	A.85	A.54	A.61	6.15	6.26	7.54	A.11	A.50	7.70	A.45			INST
MAX	(28)	(28)	(31)	( 8 )	( 1 )	( 1 )	( 1 )	( 1 )	(30)	(15)			MAX
INST	A.87	A.91	A.57	A.72	7.54	A.11	A.50	A.90	9.10	7.71			INST
MIN	( 9 )	(11)	( 3 )	(22)	(31)	(30)	(31)	(31)	(19)	( 1 )			MIN



ENVIRONMENT ONTARIO  
TORONTO  
OXFORD COUNTY

OBSERVATION WELL 165  
TOWNSHIP OF E. ZORRA

CONC. 12 LOT 3

WELL REC #1 4701409  
UTM CO-ORD: Z=17 E518875 N4776775  
LAT & LONG: 43=09NDTH 80=45WEST

REC METHOD: STEEL TAPE  
REC COMMD: JUN. 11 1965  
MEASURE PT: 2.3 FEET ABOVE GROUND SURFACE  
GND ELEV: 915 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: LOAM 04; FINE BROWN SAND 28; GREY CLAY 45; GRAVELLY HARDPAN 46; GRAVEL 47; COARSE GRAVELLY HARDPAN 51; GREY LIMESTONE 64.

DIAMETER OF WELL: 8 INCHES  
LENGTH OF CASING: 58 FEET  
LENGTH OF SCREEN: 6 FEET  
DEPTH OF WELL: 64 FEET

PUMP RATE: 40 IGPM  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY: SULPHUR

1977

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/ =2.30	04/ =2.20	02/ =1.80	06/ =1.60	03/ =2.30	01/ =2.50	01/ =2.30

ENVIRONMENT ONTARIO  
TORONTO  
OXFORD COUNTY

OBSERVATION WELL 166  
TOWNSHIP OF E. ZORRA

CONC. 12 LOT 3

WELL REC #1 4701408  
UTM CO-ORD: Z=17 E518875 N4776775  
LAT & LONG: 43=09NORTH 80=45WEST

REC METHOD: AIR GAUGE  
REC COMMD: JUN. 11 1965  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 915 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: LOAM 04; FINE BROWN SAND 28; GREY CLAY 45; GRAVELLY HARDPAN 46.5; GRAVEL 47; COARSE GRAVELLEY HARDPAN 51; GREY LIMESTONE 85.

DIAMETER OF WELL: 8 INCHES  
LENGTH OF CASING: 74 FEET  
LENGTH OF SCREEN: 9 FEET  
DEPTH OF WELL: 85 FEET

PUMP RATE: 40 IGPM  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY: SULPHUR

1977

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/=21.40 22/=20.94	04/=20.25	02/=20.25	06/=21.40	03/=21.40	01/=22.55	01/=21.40

ENVIRONMENT ONTARIO  
TORONTO  
OXFORD COUNTY

OBSERVATION WELL 176  
TOWNSHIP OF S. NORWICH

CONC. 9 LOT 2

WELL REC #1 4702077  
UTM CO-ORD: Z=17 E524100 N4750750  
LAT & LONG: 42=55NORTH 80=42WEST

REC METHOD: STEEL TAPE  
REC COMMD: MAR. 16 1966  
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 850 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK LOAM 1; BROWN SAND 9; RUNNING SAND 32.

DIAMETER OF WELL: 7 INCHES  
LENGTH OF CASING: 30 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 32 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: RUNNING SAND  
QUALITY: FRESH

1977

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					22/ 1.90						

ENVIRONMENT ONTARIO  
TORONTO  
OXFORD COUNTY

OBSERVATION WELL 177  
TOWNSHIP OF S. NORWICH

CONC. 9 LOT 2

WELL REC #1 4702076  
UTM CO-ORDS: Z=17 E524100 N4750750  
LAT & LONG: 42=55NORTH 80=42WEST

REC METHOD: A35 RECORDER  
REC COMMD: MAY 26 1946  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 850 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK LOAM 1; FINE BROWN SAND 10; FINE DUTCH SAND 38; GREY CLAY 52; GRAVEL LAYER 53; CLAY WITH GRAVEL 60; GRAVEL 61; SAND 65; DUTCH SAND 76; CLAY AND SILT 88; HARD CLAY WITH STONES 112; LIMESTONE BEDROCK 123.

DIAMETER OF WELL: 7 INCHES  
LENGTH OF CASING: 110 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 123 FEET

PUMP RATE: 17 IGPM  
SPEC. CAP: 17.0 IGPM/FT  
AQUIFER: LIMESTONE  
QUALITY: SUIPHUR

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	45.57	44.53	44.31	43.74	43.48	44.12	45.41	50.91	44.93	44.42	44.49		1
2	45.57	44.55	44.32	43.65	43.49	44.18	45.45	51.91	44.93	44.42	44.49		2
3	45.57	44.56	44.32	43.50	43.50	44.25	45.49	51.78	44.93	44.42	44.50		3
4	45.57	44.55	44.26	43.46	43.50	44.31	45.53	50.26	44.94	44.40	44.50		4
5	45.58	44.56	44.16	43.24	43.50	44.37	45.57	49.14	44.93	44.45	44.50		5
6	45.52	44.58	44.16	43.25	43.48	44.42	45.59	48.42	44.92	44.47	44.52		6
7	45.24	44.60	44.17	43.28	43.47	44.46	45.62	47.80	44.92	44.47	44.51		7
8	45.22	44.61	44.18	43.32	43.47	44.50	45.65	47.30	44.93	44.48	44.50		8
9	45.20	44.61	44.17	43.35	43.47	44.55	45.68	47.01	44.93	44.35	44.50		9
10	44.82	44.62	44.17	43.37	43.47	44.60	45.71	46.67	44.92	44.31	44.44		10
11	44.72	44.62	44.18	43.38	43.47	44.65	45.74	46.43	44.92	44.30	44.38		11
12	44.75	44.61	44.19	43.39	43.48	44.69	45.76	46.27	44.92	44.31	44.37		12
13	44.76	44.45	44.01	43.40	43.49	44.73	45.79	46.04	44.92	44.31	44.38		13
14	44.76	44.43	43.98	43.42	43.50	44.78	45.81	45.82	44.93	44.31	44.38		14
15	44.77	44.43	43.98	43.43	43.51	44.83	45.83	45.78	44.93	44.31	44.38		15
16	44.77	44.44	43.99	43.45	43.53	44.87	45.87	45.67	44.93	44.31	44.38		16
17	44.78	44.44	43.99	43.46	43.54	44.90	45.89	45.38	44.93	44.31	44.38		17
18	44.78	44.45	43.74	43.48	43.55	44.94	45.91	45.36	44.92	44.31	44.25		18
19	44.78	44.45	43.65	43.49	43.56	44.98	45.93	45.32	44.88	44.31	44.19		19
20	44.78	44.46	43.67	43.52	43.57	45.01	45.94	45.28	44.82	44.31			20
21	44.79	44.47	43.68	43.54	43.59	45.06	45.96	45.20	44.79	44.31			21
22	44.80	44.47	43.70	43.55	43.61	45.10	45.98	44.97	44.79	44.31	43.41		22
23	44.81	44.47	43.71	43.57	43.65	45.12	46.00	44.95	44.79	44.31	43.39		23
24	44.81	44.37	43.72	43.57	43.69	45.16	46.02	44.94	44.79	44.31	43.24		24
25	44.81	44.29	43.73	43.57	43.72	45.21	46.05	44.94	44.79	44.31	43.05		25
26	44.72	44.29	43.73	43.58	43.76	45.25	46.10	44.94	44.79	44.31	43.08		26
27	44.51	44.29	43.74	43.55	43.81	45.28	46.17	44.94	44.79	44.31	43.09		27
28	44.51	44.29	43.74	43.48	43.88	45.32	46.25	44.94	44.79	44.31	43.11		28
29	44.50		43.74	43.48	43.92	45.36	46.36	44.94	44.79	44.31	43.14		29
30	44.51		43.74	43.48	43.98	45.38	46.36	44.94	44.79	44.31	43.16		30
31	44.52		43.73		44.05		47.13	44.94	44.79	44.31	43.17		31
							48.98	44.94			43.16		31
MEAN	44.93	44.48	43.95	43.46	43.60	44.81	45.97	46.55	44.81	44.39			MEAN
INST	44.50	44.28	43.64	43.23	43.47	44.09	45.39	44.93	44.38	44.30			INST
MAX	(29)	(24)	(19)	(5)	(10)	(1)	(1)	(31)	(26)	(10)			MAX
INST	45.59	44.63	44.33	43.74	44.09	45.39	50.16	52.04	44.94	44.50			INST
MIN	(5)	(12)	(4)	(1)	(31)	(30)	(31)	(3)	(5)	(8)			MIN

ENVIRONMENT ONTARIO  
TORONTO  
OXFORD COUNTY

OBSERVATION WELL 013  
TOWNSHIP OF W. OXFORD

CONC. 3 LOT 2

WELL REC #1 4703374  
UTM CO-ORDS: Z=17 E520380 N4769520  
LAT & LONG: 43=07NORTH 80=45WEST

REC METHOD: STEEL TAPE  
REC COMMD: JUL 05 1946  
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 968 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: OVERBURDEN ( MOSTLY SAND AND GRAVEL ) 75.

DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: 75 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 75 FEET

PUMP RATE: FLOWING  
SPEC. CAP: N/A  
AQUIFER: OVERBURDEN  
QUALITY: FRESH

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
04/ 0.90	02/ 3.40	01/ 2.40	01/ 1.70	02/ 1.60	01/ 3.60	04/ 2.30	02/ 2.50	01/ 3.10		01/ =0.20	01/ =1.50



OBSERVATION	WELL	DATA
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
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25	25	25
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30	30	30
31	31	31
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33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
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90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

**REGIONAL OFFICE**  
**STONE CREEK**  
**140 Centennial Pkwy. N.**  
**416-561-7410**

**DISTRICT OFFICES**  
Welland  
637-641 Niagara St. N.  
416-735-0431  
Cambridge  
400 Clyde Road  
P.O. Box 219  
519-623-2080

## LEGEND

Regional Office

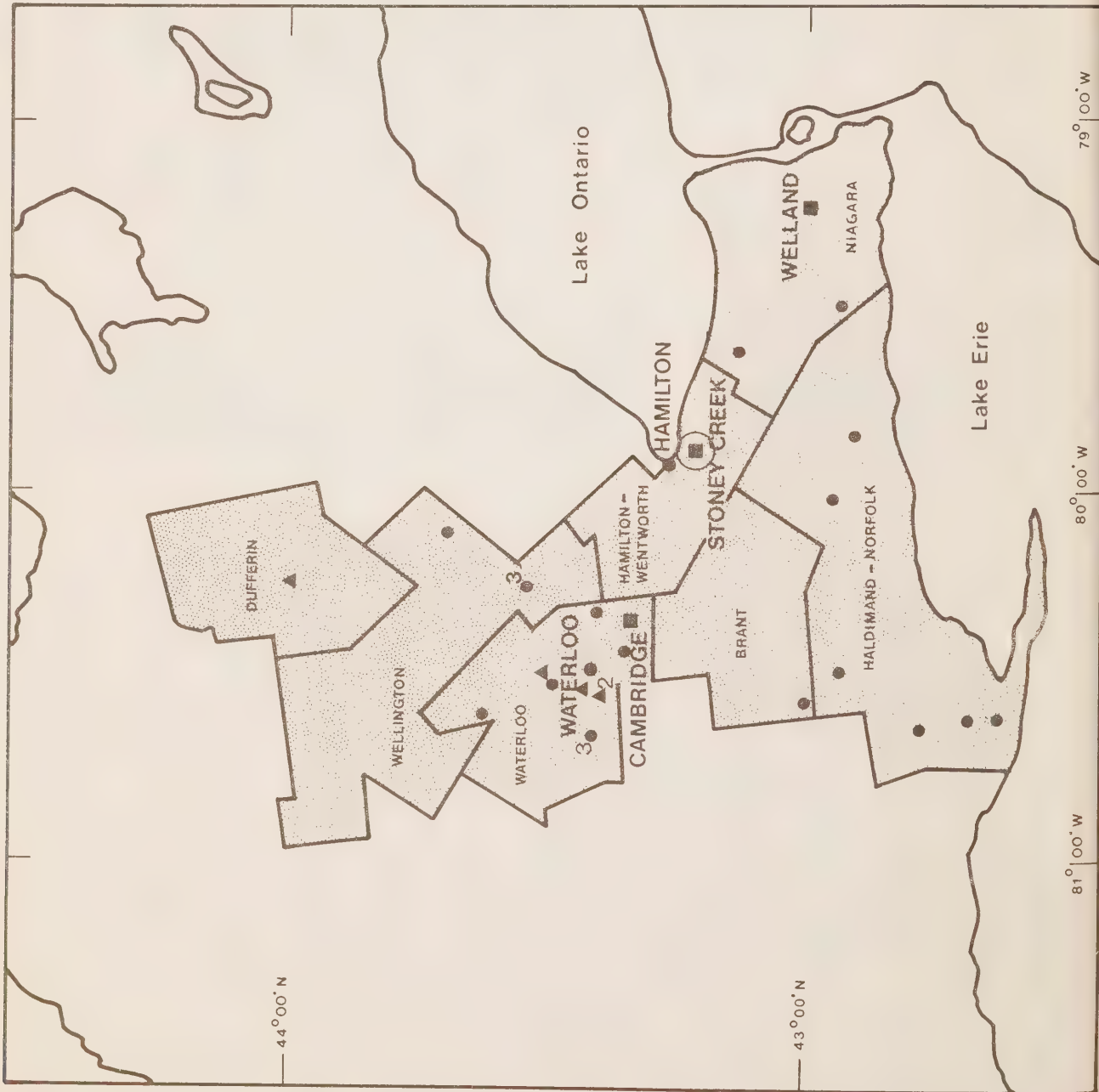
District Office

Recording	Observation	Well
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
76	77	78
79	80	81
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94	95	96
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103	104	105
106	107	108
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112	113	114
115	116	117
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127	128	129
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154	155	156
157	158	159
160	161	162
163	164	165
166	167	168
169	170	171
172	173	174
175	176	177
178	179	180
181	182	183
184	185	186
187	188	189
190	191	192
193	194	195
196	197	198
199	200	201
202	203	204
205	206	207
208	209	210
211	212	213
214	215	216
217	218	219
220	221	222
223	224	225
226	227	228
229	230	231
232	233	234
235	236	237
238	239	240
241	242	243
244	245	246
247	248	249
250	251	252
253	254	255
256	257	258
259	260	261
262	263	264
265	266	267
268	269	270
271	272	273
274	275	276
277	278	279
280	281	282
283	284	285
286	287	288
289	290	291
292	293	294
295	296	297
298	299	300
301	302	303
304	305	306
307	308	309
310	311	312
313	314	315
316	317	318
319	320	321
322	323	324
325	326	327
328	329	330
331	332	333
334	335	336
337	338	339
340	341	342
343	344	345
346	347	348
349	350	351
352	353	354
355	356	357
358	359	360
361	362	363
364	365	366
367		

Number of Recording Wells  
in same location

Manually Measured Well

Number of Manually Measured Wells  
in same location



ENVIRONMENT ONTARIO  
TORONTO  
BRANT COUNTY

OBSERVATION WELL 173  
TOWNSHIP OF BUREFORD

CONC. 8 LOT 19

WELL REC #1 1300721  
UTM CO-ORD: Z=17 E540025 N4761350  
LAT & LONG: 43=20NORTH 80=31WEST

REC METHOD: 435 RECORDER  
REC COMMENT: MAR 15 1966  
MEASURE PT: 2.5 FEET ABOVE GROUND SURFACE  
GND ELEV: 832 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK TOPSOIL 1; YELLOW SAND 3; GREY QUICK SAND 13.5; FINE GRAVEL 20; COARSE QUICKSAND AND FINE GRAVEL 27; FINE TO COARSE GRAVEL 32.5.

DIAMETER OF WELL: 7 INCHES  
LENGTH OF CASING: 30.5 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 30.5 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: 1 GRAVEL  
QUALITY: 1 FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						3.26	3.87	5.12	5.10	2.02	2.34		1
2						3.16	4.05	5.17	5.17	1.84	2.36		2
3						3.26	4.21	5.23	5.19	1.78	2.37		3
4						3.39	4.33	5.26	5.22	1.84	2.40		4
5						3.52	4.40	5.29	5.25	1.93	2.43		5
6						3.11	4.46	5.31	5.30	1.99	2.44		6
7						2.92	4.34	5.30	5.35	2.06			7
8						3.07	4.13	5.20	5.37	2.11			8
9						3.19	4.24	5.19	5.41	1.98			9
10						3.31	4.42	5.13	5.42	1.81			10
11						3.42	4.51	5.02	5.45	1.82			11
12						3.52	4.36	4.60	5.49	1.79			12
13						3.58	4.36	4.66	5.50	1.79			13
14						3.66	4.52	4.78	5.31	1.87			14
15						3.76	4.58	4.91	5.26	1.90			15
16						3.83	4.58	4.86	5.27	1.93			16
17						3.92	4.58	4.33	4.46	1.95			17
18						3.89	4.45	4.47	4.35	1.99			18
19					2.72	3.92	4.55	4.62	3.66	2.02			19
20					2.83	4.08	4.61	4.74	3.10	2.07			20
21					2.93	4.17	4.71	4.79	2.85	2.09			21
22					3.01	4.26	4.77	4.59	2.88	2.11			22
23					2.97	4.33	4.82	4.65	2.96	2.15			23
24					2.96	4.38	4.89	4.71	2.96	2.18			24
25					3.09	4.31	4.95	4.74	2.66	2.19			25
26					3.21	4.15	4.97	4.82	2.35	2.21			26
27					3.31	4.25	5.02	4.89	1.86	2.24			27
28					3.38	4.35	5.05	4.94	1.81	2.27			28
29					3.46	4.13	5.09	5.01	1.90	2.29			29
30					3.52	4.14	5.12	5.01	2.00	2.31			30
31					3.59		5.16	5.05		2.31			31
MONTHLY SUMMARY=													
MEAN						3.74	4.67	4.92	4.16	2.03			MEAN
INST						2.84	3.82	4.29	1.81	1.88			INST
MAX						( 7)	( 1)	(17)	(28)	(10)			MAX
INST						4.41	5.18	5.31	5.53	2.33			INST
MIN						(24)	(31)	( 6)	(13)	(31)			MIN

ENVIRONMENT ONTARIO  
TORONTO  
DUFFERIN COUNTY

OBSERVATION WELL 046  
TOWNSHIP OF EAST LUTHER

CONC. 4 LOT 29

WELL REC #1 1701297  
UTM CO-ORD: Z=17 E553920 N4862120  
LAT & LONG: 43=53NORTH 80=20WEST

REC METHOD: STEEL TAPE  
REC COMMENT: NOV. 27 1953  
MEASURE PT: 1.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 1550 FEET ABOVE SEA LEVEL  
WELL TYPE: AUGER/DRILLED  
WELL LOG: GRAVELLY STONEY CLAY 20; GRAVEL, SAND AND CLAY 35.

DIAMETER OF WELL: 48 INCHES  
LENGTH OF CASING: 20 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 35 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: 1 OVERBURDEN  
QUALITY: 1 FRESH

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
15/ 6.65	17/ 7.28	19/ -1.00	14/ 0.20	18/ 1.34	17/ 2.47	09/ 3.96					

ENVIRONMENT ONTARIO  
TORONTO  
R. M. OF HALDIMAND - NORFOLK

OBSERVATION WELL 413

TOWNSHIP OF MIDDLETON

STR 4

WELL REC #1 4400966  
UTM CO-ORD: 2=17 E533400 N4738050  
LAT & LONG: 42=48NORTH 80=36WEST

REC METHOD: A35 RECORDER  
REC COMMENT: FFR 1966  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND ELFV: 740 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK LOAM 2; MEDIUM SAND 20; QUICKSAND 35; BLUE CLAY 36.

DIAMETER OF WELL: 5 INCHES  
LENGTH OF CASING: 34 FEET  
LENGTH OF SCREEN: 2 FEET  
DEPTH OF WELL: 36 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
ADUITER: SAND AND CLAY  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.92	5.39	4.23			3.99	5.13	6.25	6.73	3.02	3.39		1
2	4.95	5.42	4.19			4.02	5.17	6.32	6.76	2.80	3.44		2
3	4.97	5.42	4.16			4.06	5.23	6.40	6.75	2.78	3.48		3
4	4.98	5.42	4.09			4.12	5.27	6.45	6.77	2.89	3.53		4
5	5.01	5.43	3.59			4.17	5.31	6.44	6.80	3.02	3.57		5
6	5.03	5.44	3.25			4.22	5.34	6.45	6.83	3.14	3.59		6
7	5.05	5.45	3.17			4.22	5.31	6.43	6.87	3.24	3.61	2.46	7
8	5.08	5.46	3.15			4.23	5.31	6.42	6.90	3.05	3.57	2.54	8
9	5.10	5.47	3.02			4.28	5.18	6.41	6.93	2.19	3.58	2.55	9
10	5.11	5.48	2.66			4.36	5.18	6.41	6.95	2.02	3.51	2.64	10
11	5.13	5.47	2.32			4.41	5.22	6.39	6.97	2.06	3.13	2.69	11
12	5.16	5.47				4.47	5.23	6.38	6.98	2.05	3.05	2.70	12
13	5.18	5.38				4.52	5.29	6.38	6.97	2.15	3.07	2.66	13
14	5.18	5.26				4.57	5.35	6.40	6.90	2.26	3.10		14
15	5.19	5.22				4.61	5.43	6.41	6.86	2.34	3.10		15
16	5.21	5.21				4.66	5.46	6.43	6.78	2.44	3.07		16
17	5.23	5.20				4.72	5.47	6.43	6.61	2.55	2.61		17
18	5.24	5.19				4.75	5.49	6.45	6.45	2.64	2.35		18
19	5.25	5.18			2.95	4.74	5.54	6.48	6.22	2.72	2.40		19
20	5.27	5.18			3.05	4.74	5.56	6.52	5.92	2.80	2.51		20
21	5.29	5.18			3.16	4.76	5.63	6.54	5.70	2.86	2.50		21
22	5.31	5.17			3.26	4.82	5.70	6.54	5.58	2.89	2.50		22
23	5.32	5.17			3.36	4.88	5.76	6.55	5.50	2.93	2.54		23
24	5.33	5.16			3.44	4.91	5.81	6.56	5.42	2.99	2.51		24
25	5.33	5.04			3.47	4.94	5.84	6.59	4.80	3.04	2.50		25
26	5.34	4.93			3.55	4.98	5.91	6.63	3.86	3.08	2.45		26
27	5.35	4.78			3.64	5.03	5.97	6.63	3.00	3.12	2.53		27
28	5.36	4.60			3.71	5.08	6.02	6.66	2.93	3.19	2.62		28
29	5.37				3.82	5.08	6.06	6.69	2.99	3.24	2.70		29
30	5.38				3.91	5.10	6.12	6.70	3.07	3.30	2.70		30
31	5.38				3.97		6.19	6.70		3.35			31
MEAN	5.19	5.25				4.58	5.53	6.49	5.93	2.78	2.97		MEAN
INST	4.90	4.30				3.99	5.11	6.23	2.92	2.01	2.32		INST
MAX	(1)	(28)				(1)	(1)	(1)	(28)	(10)	(18)		MAX
INST	5.38	5.48				5.11	6.24	6.72	7.00	3.37	3.62		INST
MIN	(31)	(10)				(30)	(31)	(31)	(12)	(31)	(7)		MIN

ENVIRONMENT ONTARIO  
TORONTO  
R. M. OF HALDIMAND - NORFOLK

OBSERVATION WELL 064

TOWNSHIP OF N. CAYUGA

JT

WELL REC #1 2600272  
UTM CO-ORD: 2=17 E592905 N4750410  
LAT & LONG: 43=54NORTH 79=52WEST

REC METHOD: A35 RECORDER  
REC COMMENT: APR 15 1954  
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE  
GND ELFV: 669 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: CLAY 21; LIMESTONE 100.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 21 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 100 FEET

PUMP RATE: 5 IGPH  
SPEC. CAP: 0.06 IGPH/FT  
ADUITER: LIMESTONE  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	25.74	26.39	26.26	24.23							23.42	21.77	1
2	26.04	26.72	26.28	24.07							23.42	21.72	2
3	26.04	26.53	26.29	23.77							23.43	21.72	3
4	25.95	26.36	26.03	23.89							23.48	21.73	4
5	26.03	26.38	25.78	23.34							23.60	21.62	5
6	26.01	26.09	25.92	23.45							23.52	21.54	6
7	25.74	26.09	25.92	23.77							23.36	21.35	7
8	26.02	27.09	25.89	23.72						23.99	23.68	21.56	8
9	26.09	26.88	25.78	23.86						23.68	23.22	21.20	9
10	25.67	26.84	25.68	23.76						23.36	23.02	21.46	10
11	25.88	26.83	25.73	23.60						23.46	22.93	21.56	11
12	26.20	26.83	25.64	23.57						23.41	23.10	21.41	12
13	26.34	26.43	25.26	23.50						23.34	23.27	21.21	13
14	26.05	26.42	25.18	23.39						23.48	23.23	21.01	14
15	25.94	26.60	25.25	23.47						23.38	23.12	20.95	15
16	26.03	26.69	25.05	23.46						23.12	22.99	20.98	16
17	26.07	26.67	25.10	23.43						23.05	22.79	20.91	17
18	26.07	26.56	24.84	23.41						23.05	22.65	20.91	18
19	26.06	26.44	24.79	23.35						22.95	22.66	20.69	19
20	26.10	26.46	24.82	23.36						22.97	22.88	20.57	20
21	26.22	26.47	24.83	23.37						23.15	22.94	20.43	21
22	26.46	26.37	24.68							23.20	22.75	20.24	22
23	26.61	26.45	24.62							23.23	22.87	20.11	23
24	26.35	26.33	24.70							23.44	22.71	20.09	24
25	26.15	26.10	24.75							23.40	22.49	19.72	25
26	26.10	26.35	24.76							23.31	22.49	19.76	26
27	25.97	26.28	24.69							23.19	22.37	19.84	27
28	26.05	26.26	24.41							23.15	22.30	19.98	28
29	26.15		24.17							23.26	22.50	19.98	29
30	26.26		24.14							23.39	22.33	19.98	30
31	26.33		24.03							23.45		20.10	31
MEAN	26.09	26.55	25.20								22.95	20.80	MEAN
INST	25.40	26.09	24.00								22.12	19.68	INST
MAX	(10)	(25)	(31)								(30)	(25)	MAX
INST	26.64	27.12	26.31								23.63	22.12	INST
MIN	(23)	(8)	(3)								(5)	(1)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
P. M. OF HALDIMAND - NORFOLK

OBSERVATION WELL 412  
TOWNSHIP OF N. WALSTINGHAM

CONC. 10 LOT 8

WELL REC #1 4401018  
UTM CO-ORDS: Z=17 E533325 N4728135  
LAT & LONG: 42=43NORTH R=36WEST

REC METHOD: A35 RECORDER  
REC COMM: FEB 1966  
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 710 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: YELLOW SAND 5; MEDIUM SAND 10; SAND 1A.

DIAMETER OF WELL: 7 INCHES  
LENGTH OF CASING: 16 FEET  
LENGTH OF SCREEN: 2 FEET  
DEPTH OF WELL: 18 FEET

PUMP RATE: N/A.  
SPEC. CAP: N/A.  
AQUIFER: 1 SAND  
QUALITY: 1 FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.23	4.31	3.79	1.65		3.74	4.95	5.67			2.76	3.61	1
2	4.24	4.31	3.74	1.65		3.78	4.96	5.70			2.74	3.68	2
3	4.24	4.31	3.69	1.64		3.82	4.98	5.73			2.72	3.72	3
4	4.23	4.31	3.63	1.63		3.87	5.01	5.76			2.69	3.73	4
5	4.24	4.32	3.53	1.62		3.91	5.03	5.80			2.67	3.73	5
6	4.23	4.32	3.42	1.61		3.97	5.06	5.83			2.64	3.73	6
7	4.24	4.32	3.32	1.61		4.01	5.07	5.84			2.63	3.71	7
8	4.25	4.32	3.22	1.62		4.06	5.07	5.88			2.62	3.70	8
9	4.25	4.32	3.12	1.64		4.12	5.05	5.91			2.64	3.69	9
10	4.27	4.32	2.96	1.67		4.16	5.02	5.93			2.68	3.67	10
11	4.27	4.27	2.77	1.70		4.20	5.01	5.93			2.77	3.65	11
12	4.27	4.28	2.57	1.74		4.26	5.00	5.93			2.86	3.63	12
13	4.28	4.22	2.36	1.77		4.30	5.01	5.94			2.93	3.64	13
14	4.30	4.20	2.20	1.81		4.36	5.03	5.94			2.97	3.73	14
15	4.30	4.18	2.08	1.86		4.42	5.06	5.95		2.98	3.02	3.84	15
16	4.31	4.15	1.99	1.91		4.47	5.10	5.97		2.99	3.08	3.92	16
17	4.31	4.12	1.93	1.96		4.52	5.12	5.98		3.00	3.19	3.98	17
18	4.31	4.10	1.89	2.00		4.57	5.15			3.00	3.28	4.02	18
19	4.31	4.07	1.87	2.03	2.69	4.60	5.18			2.99	3.34	4.07	19
20	4.32	4.05	1.85	2.07	2.76	4.62	5.21			2.99	3.37	4.11	20
21	4.33	4.03	1.83	2.10	2.84	4.66	5.26			2.96	3.42	4.15	21
22	4.33	4.01	1.80	2.09	2.90	4.70	5.30			2.95	3.47	4.16	22
23	4.32	4.00	1.78	1.96	3.01	4.75	5.33			2.94	3.46	4.17	23
24	4.33	3.98	1.78	1.85	3.09	4.80	5.37			2.93	3.49	4.17	24
25	4.33	3.95	1.78	1.79	3.17	4.83	5.40			2.91	3.52	4.19	25
26	4.33	3.93	1.78		3.26	4.85	5.44			2.89	3.55		26
27	4.33	3.90	1.79		3.34	4.87	5.48			2.87	3.56		27
28	4.32	3.88	1.75		3.43	4.90	5.52			2.85	3.56		28
29	4.31		1.69		3.52	4.92	5.57			2.83	3.56		29
30	4.31		1.66		3.62	4.94	5.60			2.81	3.57		30
31	4.32		1.65		3.69		5.63			2.79			31
-MONTHLY SUMMARY-													
MEAN	4.29	4.16	2.43			4.40	5.19				3.09		MEAN
INST	4.23	3.81	1.65			3.72	4.95				2.62		INST
MAX	( 1)	(28)	(31)			( 1)	( 1)				( 9)		MAX
INST	4.33	4.33	3.81			4.95	5.65				3.57		INST
MIN	(27)	( 9)	( 1)			(30)	(31)				(30)		MIN

ENVIRONMENT ONTARIO  
TORONTO  
P. M. OF HALDIMAND-NORFOLK

OBSERVATION WELL 138  
TOWNSHIP OF S. WALSTINGHAM

CONC 4 LOT 13

WELL REC #1 4401235  
UTM CO-ORDS: Z=17 E540150 N4722800  
LAT & LONG: 42=39NORTH R=31WEST

REC METHOD: A35 RECORDER  
REC COMM: MAY 20 1965  
MEASURE PT: 2.2 FEET ABOVE GROUND SURFACE  
GND ELEV: 680 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 1; YELLOW SAND 4; BROWN SAND 16; DRY GREY SAND 18; COARSE BROWN SAND 24; FINE GREY SAND 32; MEDIUM DARK SAND 47.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 40.5 FEET  
LENGTH OF SCREEN: SLOTTED PIPE  
DEPTH OF WELL: 40.5 FEET

PUMP RATE: 7 IGPM  
SPEC. CAP: N/A.  
AQUIFER: 1 MEDIUM SAND  
QUALITY: 1 FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.49	11.74	12.04										1
2	11.50	11.74	12.04										2
3	11.51	11.75	12.03										3
4	11.52	11.76	12.02										4
5	11.53	11.76	11.95										5
6	11.53	11.77	11.91										6
7	11.54	11.77	11.88										7
8	11.54	11.78	11.83										8
9	11.56	11.78	11.76										9
10	11.57	11.79	11.70										10
11	11.58	11.81	11.62										11
12	11.59	11.86	11.52										12
13	11.60	11.88	11.40										13
14	11.61	11.88	11.25										14
15	11.62	11.88	11.11										15
16	11.62	11.88	11.02										16
17	11.62	11.89	10.95										17
18	11.63	11.88	10.88										18
19	11.63	11.88	10.84										19
20	11.63	11.89	10.85										20
21	11.63	11.91	10.92										21
22	11.66	11.94	11.01										22
23	11.68	11.96											23
24	11.70	11.99											24
25	11.71	12.01											25
26	11.72	12.02											26
27	11.74	12.03											27
28	11.75	12.03											28
29	11.74												29
30	11.74												30
31	11.74												31
-MONTHLY SUMMARY-													
MEAN	11.62	11.87											MEAN
INST	11.49	11.74											INST
MAX	( 1)	( 1)											MAX
INST	11.75	11.74											INST
MIN	(29)	(28)											MIN

ENVIRONMENT ONTARIO  
TORONTO  
R. M. OF HALTWHAM - KOFFDIK  
TOWNSHIP OF S. WALSINGHAM  
CONC. 4  
LOT 5  
WELL REC #1 4401260  
UTM CO-ORDS Z=17 E535300 N4721000  
LAT & LONG: 42=39NORTH 80=34WEST  
REC METHOD: A35 RECORDER  
REC COMMD: NOV. 1965  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND FLEV: 680 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: SAND 21; SILTY CLAY 26.  
DIAMETER OF WELL: 5 INCHES  
LENGTH OF CASING: 20 FEET  
LENGTH OF SCREEN: 4 FEET  
DEPTH OF WELL: 24 FEET  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: 1 SILTY CLAY  
QUALITY: 1 FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.20	10.44	10.72	9.13									1
2	10.21	10.46	10.73	9.05									2
3	10.21	10.47	10.75	8.99									3
4	10.21	10.47	10.75	8.95									4
5	10.22	10.48	10.75	8.89									5
6	10.23	10.49	10.76	8.86									6
7	10.24	10.51	10.77	8.84									7
8	10.25	10.52	10.77	8.81									8
9	10.25	10.53	10.77	8.77									9
10	10.25	10.54	10.77	8.73									10
11	10.27	10.56	10.77	8.70									11
12	10.29	10.57	10.73	8.69									12
13	10.30	10.57	10.59	8.67									13
14	10.31	10.58	10.32	8.66									14
15	10.31	10.59	10.11	8.65									15
16	10.32	10.60	9.96	8.63									16
17	10.33	10.61	9.85	8.62									17
18	10.33	10.62	9.76	8.60									18
19	10.34	10.62	9.70	8.60									19
20	10.34	10.63	9.64	8.60									20
21	10.35	10.64	9.60	8.59									21
22	10.36	10.65	9.56	8.58									22
23	10.37	10.66	9.53	8.50									23
24	10.38	10.68	9.50	8.18									24
25	10.38	10.69	9.47	7.94									25
26	10.39	10.70	9.44	7.85									26
27	10.40	10.70	9.42										27
28	10.41	10.71	9.38										28
29	10.42		9.33										29
30	10.43		9.28										30
31	10.43		9.20										31
-MONTHLY SUMMARY-													
MEAN	10.31	10.58	10.09										MEAN
INST	10.20	10.44	9.17										INST
MAX	( 1 )	( 1 )	(31)										MAX
INST	10.44	10.71	10.78										INST
MIN	(31)	(28)	(11)										MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF NIAGARA  
TOWNSHIP OF N. GRINBRY  
CONC. 5  
LOT 12  
WELL REC #1 3802296  
UTM CO-ORDS Z=17 E614640 N4779880  
LAT & LONG: 43=10NORTH 79=35WEST  
REC METHOD: A35 RECORDER  
REC COMMD: NOV 18 1969  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND FLEV: 630 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: SOFT BROWN CLAY, STONES 10; SOFT GREY CLAY, STONES 38; HARD, DENSE WHITE DOLOMITE 47.  
E - ESTIMATE  
DIAMETER OF WELL: 6.25 INCHES  
LENGTH OF CASING: 44 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 47 FEET  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: 1 DOLOMITE  
QUALITY: 1 FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.69		4.66	3.33	2.63	3.58	3.64	4.27	4.45E	2.23E	1.90	1.31	1
2	4.79		4.82	3.21	2.63	3.53	3.75		4.44E	2.00E	1.92	1.36	2
3	4.77		4.90	3.12	2.70	3.64	3.90		4.45E	1.92E	1.92	1.39	3
4	4.73		4.86	3.16	2.71	3.61	3.91		4.52E	1.97E	1.97	1.43	4
5	4.80		4.94	2.84	2.61	3.61	3.92		4.48E	1.94E	2.04	1.36	5
6	4.73		4.58	2.88	2.62	3.51	3.86		4.55E	1.92	2.03	1.24	6
7	4.70		4.65	3.00	2.76	3.45	3.75		4.59E	1.96	1.96		7
8	4.79		4.62	2.95	2.77	3.50	3.68		4.59E	1.83	1.88		8
9	4.81		4.50	2.99	2.81	3.57	3.69		4.51E	1.83	1.88		9
10	4.62		4.46	2.91	2.85	3.62	3.74		4.47E	1.68	1.77		10
11	4.75		4.52	2.84	2.94	3.61	3.72		4.56E	1.65	1.72		11
12	4.81		4.51	2.82	2.98	3.78	3.67		4.56E	1.67	1.81	1.47	12
13	4.83		4.22	2.78	2.99	3.88	3.73		4.44E	1.71	1.84	1.39	13
14			4.19	2.77	3.09	3.93	3.80		4.41E	1.65	1.79	1.15	14
15			4.19	2.83	3.18	4.07	3.79		4.50E	1.60	1.69	1.10	15
16			4.06	2.87	3.23	3.92	3.82	4.33E	4.42E	1.60	1.64	1.08	16
17			4.09	2.91	3.27	3.80	3.81	4.19E	4.30E	1.61	1.58	1.01	17
18			3.95	2.93	3.25	3.76	3.83	4.20E	4.16E	1.66	1.59	0.97	18
19			3.94	2.97	3.26	3.83	3.83	4.20E	3.99E	1.65	1.67	0.93	19
20			3.94	3.00	3.37	3.83	3.85	4.22E	3.82E	1.68	1.68	0.88	20
21			3.94	3.03	3.51	3.88	3.90	4.21E	3.78E	1.73	1.60	0.84	21
22	4.94		3.82	3.03	3.53	3.94	3.99	4.16E	3.73E	1.73	1.66	0.85	22
23	4.95		3.81	2.91	3.49	3.99	4.02	4.21E	3.62E	1.82	1.57	0.88	23
24	4.90		3.78	2.56	3.54	3.97	4.04	4.21E	3.47E	1.83	1.51	0.90	24
25	4.83	4.67	3.82	2.39	3.59	3.81	4.00	4.24E	3.16E	1.80	1.47	0.77	25
26	4.79	4.65	3.77	2.34	3.59	3.77	4.09	4.26E	2.78E	1.75	1.39	0.86	26
27	4.79	4.62	3.69	2.34	3.62	3.84	4.16	4.26E	2.58E	1.75	1.48	0.95	27
28		4.54	3.53	2.37	3.77	3.79	4.20	4.33E	2.55E	1.81	1.50	1.01	28
29			3.34	2.50	3.88	3.68	4.19	4.34E	2.56E	1.85	1.59	1.02	29
30			3.31	2.59	3.83	3.69	4.25	4.42E	2.50E	1.90	1.51	1.07	30
31			3.25		3.79		4.28	4.45E		1.91		1.16	31
-MONTHLY SUMMARY-													
MEAN			4.14	2.84	3.19	3.75	3.90		3.96	1.79	1.72		MEAN
INST			3.22	2.29	2.59	3.42	3.61		2.44	1.59	1.37		INST
MAX			(31)	(28)	( 6 )	( 8 )	( 1 )		(30)	(15)	(26)		MAX
INST			4.91	3.35	3.97	4.33	4.32		4.63	2.44	2.06		INST
MIN			( 3 )	( 1 )	(29)	(15)	(30)		(11)	( 1 )	( 6 )		MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF NIAGARA  
OBSERVATION WELL 228  
TOWNSHIP OF WATERLEET  
CONC. 5 LOT 37  
WELL REC #1 A602409  
UTM CO-ORDS Z=17 E6248A1 N0755444  
LAT & LONG: 42=57NORTH 79=28WEST  
REC METHOD: 435 RECORDER  
REC COMMENT: FEB 26 1969  
MEASURE PT: 3.1 FEET ABOVE GROUND SURFACE  
GND ELEV: 541 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN CLAY 5; BLUE CLAY 48; REDDISH CLAY 70; CLAY AND GRAVEL 110; SALINA LIMESTONE 175.  
DIAMETER OF WELL: 5 INCHES  
LENGTH OF CASING: 100 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 174 FEET  
PUMP RATE: 40 IGPM  
SPEC. CAP: 0.65 IGPM/FT  
AQUIFER: LIMESTONE  
QUALITY: MINERAL

1977 DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.13	0.21	0.96	0.20									1
2	0.22	0.24	0.96	0.03									2
3	0.23	0.16	0.93	7.84									3
4	0.22	0.16	0.66	8.02									4
5	0.23	0.17	0.65	8.14									5
6	0.21	0.28	0.65	7.90									6
7	0.15	0.37	0.64	7.85									7
8	0.22	0.38	0.62	7.75									8
9	0.21	0.34	0.55	7.73									9
10	0.00	0.39	0.54	7.75									10
11	0.14	0.29	0.53	7.77									11
12	0.21	0.20	0.40										12
13	0.22	0.10	0.19										13
14	0.15	0.17	0.23										14
15	0.18	0.22	0.24										15
16	0.17	0.23	0.24										16
17	0.12	0.23	0.23										17
18	0.12	0.22	0.18										18
19	0.11	0.19	0.24										19
20	0.16	0.19	0.23										20
21	0.20	0.19	0.23										21
22	0.23	0.14	0.18										22
23	0.24	0.17	0.23										23
24	0.21	0.02	0.24										24
25	0.15	0.03	0.24										25
26	0.09	0.07	0.24										26
27	0.07	0.94	0.23										27
28	0.04	0.97	0.15										28
29	0.07		0.09										29
30	0.12		0.10										30
31	0.15		0.16										31
-MONTHLY SUMMARY-													
MEAN	0.16	0.19	0.39										MEAN
INST	0.96	0.90	0.06										INST
MAX	(10)	(27)	(30)										MAX
INST	0.24	0.39	0.97										INST
MIN	(23)	(7)	(3)										MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO  
OBSERVATION WELL 033  
TOWN OF ELMIRA  
CONC. - LOT -  
WELL REC #1 6503536  
UTM CO-ORDS Z=17 E535505 N0827750  
LAT & LONG: 43=27NORTH 80=34WEST  
REC METHOD: 435 RECORDER  
REC COMMENT: NOV 30 1966  
MEASURE PT: 3.3 FEET ABOVE GROUND SURFACE  
GND ELEV: 1163 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: SAND AND GRAVEL OVERBURDEN 60.  
DIAMETER OF WELL: 20 INCHES  
LENGTH OF CASING: 50 FEET  
LENGTH OF SCREEN: 9 FEET  
DEPTH OF WELL: 59 FEET  
PUMP RATE: 350 IGPM  
SPEC. CAP: 10.0 IGPM/FT  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1977 DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	27.78	29.38	29.91		27.27	27.87	27.88	25.91	27.58		32.76		1
2	27.71	29.44	29.92		27.32	27.02	27.39	25.62	27.74		32.79		2
3	28.09	29.44	29.91		27.38	28.18	27.58	25.43	27.78		32.25		3
4	28.27	29.49	29.86	27.28	27.38	28.24	27.73	25.04	27.50		32.67		4
5	28.41	29.54	29.87	27.23	27.38	28.17	28.22	24.63	26.71		32.84		5
6	28.50	29.60	29.86	27.31	27.41	28.28	28.02	24.08	26.31		33.05		6
7	28.60	29.64	29.84	27.28	27.47	28.38	28.19	23.51	27.19		33.22		7
8	28.70	29.67	29.80	26.99	27.32	28.46	28.60	23.37	27.56	28.93	33.29		8
9	28.78	29.67	29.73	26.83	27.19	28.55	28.78	23.45	27.79	28.88	32.91		9
10	28.79	29.60	29.64	26.85	27.07	28.65	28.81	23.28	27.99	28.21	32.09		10
11	28.91	29.60	29.51	26.49	27.52	28.69	28.95	23.29	28.25		31.75		11
12	28.87	29.67	29.34	26.73	27.55	28.73	29.06	23.20	28.40		31.78		12
13	28.80	29.66	29.21	26.84	27.58	28.83	29.18	22.63	28.53		31.42		13
14	28.73	29.71	29.09	27.07	27.61	28.89	29.29	22.00	28.69	28.31	31.09		14
15	28.65	29.70	28.89	27.16	27.57	28.97	29.16	22.14	28.87	28.40	30.89		15
16	28.58	29.75	28.77	27.12	27.65	29.02	29.44	22.09	28.98	28.41	30.71		16
17	28.61	29.71	28.63	27.13	27.68	29.04	29.50	22.92	29.07	28.51	30.57		17
18	28.73	29.68	28.52	27.01	27.70	29.05	29.22	23.67	28.82	28.42	30.39		18
19	28.76	29.74		27.08	27.74	29.08	29.37	24.16	28.70	28.30	30.27		19
20	28.91	29.78		27.15	27.78	29.09	29.49	24.81	29.01	28.55	30.25		20
21	29.01	29.80		27.18	27.75	29.21	29.60	25.20	29.19	29.38	30.17		21
22	29.10	29.72		27.21	27.67	29.28	29.70	25.45	29.31	29.93	30.08		22
23	29.09	29.76		27.21	27.77	29.34	29.73	25.83	29.37	30.32	30.11		23
24	29.13	29.78		27.07	26.94	29.39	29.82	26.03	29.42	30.76	30.06		24
25	29.17	29.81		27.02	27.36	29.40	29.13	26.34	29.41	31.15	30.10		25
26	29.21	29.83		27.13	27.56	29.29	29.63	26.80	29.37	31.51			26
27	29.25	29.85		27.17	27.64	29.39	29.45	26.84	29.38	31.73			27
28	29.29	29.89		27.23	27.71	29.45	29.31	26.56	29.40	31.93			28
29	29.26			27.29	27.72	29.49	28.84	26.76	29.41	32.16			29
30	29.17			27.33	27.74	29.09	27.56	27.18	29.41	32.36			30
31	29.26				27.85		26.83	27.40		32.59			31
-MONTHLY SUMMARY-													
MEAN	28.78	29.68			27.53	28.85	28.81	24.69	28.50				MEAN
INST	27.30	29.39			26.38	27.84	26.13	21.07	25.54				INST
MAX	(2)	(1)			(24)	(1)	(31)	(16)	(6)				MAX
INST	29.32	29.90			27.88	29.54	29.79	27.50	29.43				INST
MIN	(31)	(28)			(31)	(30)	(24)	(31)	(25)				MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO  
CITY OF KITCHENER  
OBSERVATION WELL 034  
CONC. = LOT =  
WELL REC #1 6503537  
UTM CO-ORD1 Z=17 E540478 N4808546  
LAT & LONG1 43=26NORTH 80=30WEST  
REC METHOD1 STEEL TAPE  
REC COMMD1 SEP. 11 1946  
MEASURE PT1 1.0 FEET ABOVE GROUND SURFACE  
GND ELEV1 1082 FEET ABOVE SEA LEVEL  
WELL TYPE1 DRILLED  
WELL LOG1 OVERBURDEN 200; DOLOMITE 370.  
DIAMETER OF WELL1 12 INCHES  
LENGTH OF CASING1 200 FEET  
LENGTH OF SCREEN1 NONE  
DEPTH OF WELL1 370 FEET  
PUMP RATE1 N.A.  
SPEC. CAP1 N.A.  
AQUIFER 1 DOLOMITE  
QUALITY 1 FRESH

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/ 45.64		02/ 33.81	01/ 46.74 30/ 43.87	28/ 43.52		

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO  
CITY OF KITCHENER  
OBSERVATION WELL 035  
CONC. = LOT =  
WELL REC #1 6503538  
UTM CO-ORD1 Z=17 E540482 N4808508  
LAT & LONG1 43=26NORTH 80=30WEST  
REC METHOD1 STEEL TAPE  
REC COMMD1 SEP. 11 1946  
MEASURE PT1 1.0 FEET ABOVE GROUND SURFACE  
GND ELEV1 1082 FEET ABOVE SEA LEVEL  
WELL TYPE1 DRILLED  
WELL LOG1 OVERBURDEN 190; DOLOMITE 196.  
DIAMETER OF WELL1 12 INCHES  
LENGTH OF CASING1 190 FEET  
LENGTH OF SCREEN1 NONE  
DEPTH OF WELL1 196 FEET  
PUMP RATE1 N.A.  
SPEC. CAP1 N.A.  
AQUIFER 1 DOLOMITE  
QUALITY 1 FRESH

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/ 29.71		02/ 21.39	01/ 28.56 30/ 27.17	28/ 24.10		

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO  
CITY OF KITCHENER  
OBSERVATION WELL 059  
CONC. = LOT =  
WELL REC #1 6503534  
UTM CO-ORD1 Z=17 E539865 N4810265  
LAT & LONG1 43=26NORTH 80=30WEST  
REC METHOD1 STEEL TAPE  
REC COMMD1 NOV. 29 1946  
MEASURE PT1 0.0 FEET ABOVE GROUND SURFACE  
GND ELEV1 1076 FEET ABOVE SEA LEVEL  
WELL TYPE1 DRILLED  
WELL LOG1 OVERBURDEN 160; DOLOMITE 202.  
DIAMETER OF WELL1 12 INCHES  
LENGTH OF CASING1 160 FEET  
LENGTH OF SCREEN1 NONE  
DEPTH OF WELL1 202 FEET  
PUMP RATE1 N.A.  
SPEC. CAP1 N.A.  
AQUIFER 1 DOLOMITE  
QUALITY 1 FRESH

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/ 76.96		02/ 60.33	01/ 80.50 30/ 74.91	28/ 75.54		

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 082  
CITY OF KITCHENER

CONC. = LOT =

WELL REC #1 6500265  
UTM CO-ORDS: Z=17 E540590 N4806630  
LAT & LONG: 43=25NORTH 80=27WEST

REC METHOD: ASS RECORDER  
REC COMMD: MAY 10 1958  
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 1020 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BEDROCK 43; CLAY AND STONES 51; DRY GRAVEL 64; CEMENTED GRAVEL 74; CLAY, HARDPAN AND STONES 87; SANDY CLAY 90; BROWN CLAY 120; COARSE SAND 125; GRAVEL 127; UNKN 130.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 130 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 130 FEET

PUMP RATE: 15 IGPM  
SPEC. CAP: 0.71 IGPM/FT  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	60.14	73.94	73.77	77.99	70.80	79.02		64.75	70.93	68.76	67.95	71.00	1
2	62.35	74.63	77.56	72.25		75.23		70.78	74.45		69.79	70.26	2
3	64.29		74.16	71.04	76.27	76.38		70.95	66.74		68.74	69.00	3
4	71.10		77.92	75.85	79.41	74.47		71.29	63.45	71.35	70.97	62.77	4
5	68.31	72.73	72.16	72.20	76.40			75.49	63.75	69.87	67.76	68.84	5
6	73.52	68.90		77.57	79.11			73.07	70.09	69.53	64.71	69.18	6
7	71.59	68.57	71.43	75.03	72.54	75.02		67.60	69.03	73.94	68.96	68.32	7
8	63.22	73.30		71.36	70.98			72.61	71.15	70.33	67.39	68.35	8
9	63.55	75.31		70.24	75.81	73.98		72.28	72.60	67.10	68.05	71.99	9
10	67.96	74.93	74.26	70.18	74.01	77.15	69.11	74.63	67.42	65.57	71.62	69.79	10
11	72.87		77.41	70.56	73.71	72.64	71.21	71.10	65.13	69.27		63.60	11
12	73.21			76.88	78.07	69.76	72.95	73.79	70.89	69.36		67.00	12
13	70.43			73.43	77.61	75.20	74.66	70.78	70.42	70.81		68.34	13
14	71.82		76.05	77.82	72.40	75.19	73.82	70.33	71.02	72.42		69.35	14
15	67.43		74.02	76.23	70.32	78.46	77.46	72.31	71.35	66.78	68.27	69.69	15
16	63.46		77.73	71.81	76.70	80.90	70.70	74.17	74.17	69.63	69.68	69.86	16
17	70.91		74.38	72.69	76.79	81.51	66.66	71.90	70.40	70.01	68.52	69.94	17
18	69.72	75.86	77.29	75.23	80.41	80.09	72.22	72.07	64.56	69.37	72.73	68.22	18
19	73.62	72.38	74.27	73.47	81.12	66.67	71.39	74.52	70.18	70.66	67.29	68.98	19
20	73.85	69.63	70.81		81.58		74.14	69.76	69.19	69.76	63.74	68.10	20
21	73.77	73.46	75.36		81.81		68.74	67.61	71.06	72.29	68.64	68.01	21
22	71.12	72.77	73.62		78.16		65.91	71.93		66.10	68.84	72.99	22
23	69.16	77.04	78.02				71.76	70.50		62.33	69.83	68.42	23
24	73.48	74.14	74.26		79.16		66.42	71.61	68.83	71.95	70.00	68.95	24
25	71.59	75.94	76.85		76.56	72.50	67.53	70.15	65.40	67.26	71.81	59.34	25
26	73.30		73.67		78.96	66.37	69.36	74.58	71.35	68.21	66.70	57.78	26
27	75.99	70.58	70.59			71.20	71.49		70.59	69.41	62.53	60.20	27
28	75.59	76.28	75.98		77.10	77.01	71.72	65.68	71.06	73.02	67.83	67.38	28
29	68.44		73.91		70.87	77.42	74.18	70.19		65.25	67.69		29
30	70.12		77.74	73.15	74.76		68.37	69.66		64.87	68.29		30
31	73.77		74.21		79.09		64.47	71.14		69.49			31

MONTHLY SUMMARY

MEAN	69.99												MEAN
INST	53.66												INST
MAX	( 1 )												MAX
INST	78.56												INST
MIN	(28)												MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 116  
TOWNSHIP OF WILMOT

CONC. BRN LOT 2

WELL REC #1 6502124  
UTM CO-ORDS: Z=17 E536325 N4805375  
LAT & LONG: 43=24NORTH 80=33WEST

REC METHOD: STEEL TAPE  
REC COMMD: JUN, 08 1962  
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 1125 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL AND BOULDERS 03; SILTY SAND 49; SAND AND GRAVEL 53; SAND AND GRAVEL STREAKS, FINE SAND 70; FINE SAND AND GRAVEL 75; BOULDERS, COARSE GRAVEL AND SAND 80; GRAVEL AND SAND 84; HARD PACKED BOULDERS GRAVEL AND SAND 85; HARD AND SOFT STREAKS OF BLUE AND BROWN CLAY 97.

DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: 74 FEET  
LENGTH OF SCREEN: 11 FEET  
DEPTH OF WELL: 86 FEET

PUMP RATE: 27 IGPM  
SPEC. CAP: 7.71 IGPM/FT  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/ 24.10	29/ 25.14		02/ 25.52 30/ 25.72	28/ 25.79		

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 117  
TOWNSHIP OF WILMOT

CONC. BRN LOT 2

WELL REC #1 6502168  
UTM CO-ORDS: Z=17 E536875 N4804000  
LAT & LONG: 43=24NORTH 80=33WEST

REC METHOD: STEEL TAPE  
REC COMMD: JUN, 08 1962  
MEASURE PT: 2.6 FEET ABOVE GROUND SURFACE  
GND ELEV: 1100 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: MUCK 02; COARSE SAND, FINE GRAVEL 44; CLAY AND GRAVEL 68; CLAY 107; CLAY AND GRAVEL 136.

DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: N.A.  
LENGTH OF SCREEN: N.A.  
DEPTH OF WELL: 136 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: CLAY AND GRAVEL  
QUALITY: FRESH

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					01/ 22.21	29/ 23.21		02/ 23.78 30/ 24.12	28/ 23.80		

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 396

TOWNSHIP OF WILMOT

BRN

LOT 11

WELL REC #1 6502145  
UTM CO-ORDS: Z-17 E530300 N4804475  
LAT & LONG: 43-24NORTH R0-37WEST

REC METHOD: STEEL TAPE  
REC COMMD: JUL 13 1973  
MEASURE PT: 4.6 FEET ABOVE GROUND SURFACE  
GND ELFV: 1200 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN CLAY R; SAND 17; SAND AND GRAVEL 3A; BOULDERS, GRAVEL AND BROWN CLAY 51; BROWN CLAY CHANGING TO GREY COLOR 60; SILTY SAND WITH CLAY STREAKS 12B; GRAVEL, SAND WITH BOULDERS 155; SAND AND FINE GRAVEL 182; GREY CLAY 205; GREY CLAY, GRAVEL 216; CEMENTED SAND, GRAVEL 218; BEDROCK 218.

DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: 144 FEET  
LENGTH OF SCREEN: 11 FEET  
DEPTH OF WELL: 155 FEET

PUMP RATE: 25 IGPM  
SPEC. CAP: 6.5A IGPM/FT  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1977

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
				27/ 49.47		29/ 49.79		02/ 49.07 30/ 48.73	28/ 49.02		

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 514

TOWNSHIP OF WILMOT

CONC. SRS LOT 14

WELL REC #1 6503056  
UTM CO-ORDS: Z-17 E527650 N4805550  
LAT & LONG: 43-24NORTH R0-39WEST

REC METHOD: IFI TYPE RECORDER  
REC COMMD: JANUARY 1974  
MEASURE PT: 4.92 FEET ABOVE GROUND SURFACE  
GND ELFV: 1160 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLUE CLAY 3A; GRAY SILTY SAND 51.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 43 FEET  
LENGTH OF SCREEN: 8 FEET  
DEPTH OF WELL: 51 FEET

PUMP RATE: 40 IGPM  
SPEC. CAP: 3.3 IGPM/FT  
AQUIFER: SILTY SAND AND CLAY  
QUALITY: FRESH

1977

DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.10		7.25		6.81		7.34	7.47	7.33		7.25	7.08	1
2	7.13		7.28		6.87		7.24	7.56	7.33		7.26	7.14	2
3	7.15		7.28		6.91	7.16	7.23	7.59	7.31		7.25	7.12	3
4	7.16	7.32	7.20		6.88	7.12	7.28	7.47	7.29		7.23	7.13	4
5		7.30	7.11		6.89	7.08	7.33	7.32	7.27		7.21	7.15	5
6		7.32	7.04		6.98	7.08		7.30			7.17	7.17	6
7		7.36	7.04	6.76	6.97	7.09		7.27		7.21	7.20		7
8	7.24	7.36	7.04		6.91	7.11		7.25		7.14	7.24		8
9	7.22	7.33	6.93	6.75	6.99	7.14		7.27		6.92	7.25	7.27	9
10	7.16	7.35	6.80	6.72	7.00	7.19		7.23		6.96	7.20	7.30	10
11	7.22	7.33	6.78	6.79	7.04	7.16		7.28		7.03	7.16	7.29	11
12	7.29	7.29	6.66	6.80	7.04	7.11		7.30		7.07	7.18	7.28	12
13	7.31	7.19	6.49	6.80	7.05	7.20	7.22	7.25		7.11	7.17	7.28	13
14	7.26	7.28	6.61	6.86	7.03	7.23	7.26	7.23		7.12	7.20	7.22	14
15	7.25	7.32	6.61	6.91	7.04	7.26	7.25	7.29		7.06	7.21	7.19	15
16	7.24	7.33	6.60	6.84	7.13	7.25	7.23	7.28		7.05	7.17	7.18	16
17	7.25	7.34	6.64	6.81	7.16	7.23	7.21	7.20		7.10	7.14	7.12	17
18	7.29	7.37	6.61	6.83	7.13	7.16	7.27	7.25		7.11	7.16	7.08	18
19	7.30	7.30	6.66	6.86		7.11	7.29	7.26		7.15	7.18	7.12	19
20	7.32	7.27	6.61	6.85		7.18	7.36	7.26		7.18	7.14	7.10	20
21	7.34	7.32	6.72	6.91		7.24	7.38	7.22		7.19	7.16	7.14	21
22	7.33	7.31	6.68	6.86		7.28	7.41	7.26		7.17	7.21	7.11	22
23	7.30	7.34		6.69		7.31	7.44	7.29		7.16	7.17	7.14	23
24	7.28	7.26		6.63		7.29	7.39	7.30		7.19	7.16	7.08	24
25	7.29	7.24		6.72	7.07	7.17	7.40	7.32		7.21	7.16	6.98	25
26	7.31	7.26		6.75	7.10	7.12	7.46	7.29		7.10	7.13	6.99	26
27		7.19		6.77	7.12	7.20	7.54	7.27		7.23	7.16	7.06	27
28		7.24		6.83	7.14	7.25	7.56	7.26		7.28	7.25	7.09	28
29				6.88		7.24	7.50	7.29		7.25	7.29	7.09	29
30				6.83		7.27	7.48	7.30		7.22	7.25	7.10	30
31							7.46	7.31		7.24		7.09	31

MONTHLY SUMMARY

MEAN		7.31									7.20		MEAN
INST MAX		7.16 (17)									7.07 (21)		INST MAX
INST MIN							7.65 (4)				7.33 (28)		INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 524  
TOWNSHIP OF WILMOT

CONC. 8HS LOT 15

WELL REC #1 6504745  
UTM CO=ORD1 Z=17 E527640 N4804700  
LAT & LONG1 43=24NORTH 80=40WEST

WEL METHOD1 FET TYPE RECORDER  
REC COMMCD1 JANUARY 1974  
MEASURE PT1 0.5 FEET ABOVE GROUND SURFACE  
GND ELEV1 1150 FEET ABOVE SEA LEVEL  
WELL TYPE1 JUG  
WELL LOG1 OVERBURDEN

DIAMETER OF WELL1 36 INCHES  
LENGTH OF CASING1 32 FEET  
LENGTH OF SCREEN1 NONE  
DEPTH OF WELL1 32 FEET

PUMP RATE1 N/A.  
SPEC. CAP1 N/A.  
AQUIFER 1 OVERBURDEN  
QUALITY 1 FRESH

1977 DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1								31.48	31.78	31.82	31.35	31.32	1
2								31.49	31.79	31.81	31.35		2
3						30.96		31.50	31.80	31.81			3
4						30.97			31.81	31.79	31.31		4
5						30.97			31.81	31.78	31.31		5
6					29.85				31.82	31.73	31.30		6
7					29.84			31.57	31.83	31.65	31.30		7
8					29.83			31.58	31.83	31.63	31.30		8
9					29.82			31.59	31.89	31.60	31.30		9
10					29.81			31.59	31.90	31.60	31.29		10
11					29.80			31.61	31.90	31.59	31.30		11
12					29.79			31.62	31.91	31.57	31.30		12
13					29.78		31.31	31.63	31.92	31.56	31.30		13
14					29.78		31.32	31.64	31.93	31.54	31.30		14
15					29.77		31.32	31.64	31.94	31.52	31.30		15
16					29.77		31.33	31.65	31.94	31.50	31.30		16
17					29.76		31.34	31.66	31.95	31.49	31.30		17
18					29.76		31.35	31.66	31.96	31.47	31.30		18
19					29.75		31.36	31.67	31.96	31.46	31.32		19
20					29.75		31.36	31.68	31.96	31.45	31.32		20
21					29.75		31.37	31.68	31.97	31.44	31.32		21
22					29.74		31.38	31.69	31.96	31.43	31.33		22
23					29.75		31.39	31.70	31.94	31.42	31.32		23
24					29.75		31.40	31.71	31.92	31.41	31.32		24
25							31.41	31.72	31.91	31.40	31.32		25
26							31.42	31.74	31.89	31.39	31.32		26
27							31.43	31.74	31.90	31.38	31.32		27
28							31.44	31.75	31.90	31.38	31.33		28
29							31.45	31.76	31.88	31.37	31.34		29
30							31.46	31.77	31.86	31.37	31.34		30
31							31.47	31.77		31.36			31
=MONTHLY SUMMARY=													
MEAN									31.89	31.54			MEAN
INST										31.78			INST
MAX									( 1 )	( 31 )			MAX
INST									31.98	31.84			INST
MIN									( 21 )	( 1 )			MIN

ENVIRONMENT ONTARIO  
TORONTO  
WELLINGTON COUNTY

OBSERVATION WELL 432  
TOWNSHIP OF ERIN

CONC. 4 LOT 4

WELL REC #1 6700628  
UTM CO=ORD1 Z=17 E574860 N4835410  
LAT & LONG1 43=40NORTH 80=04WEST

WEL METHOD1 A35 RECORDER  
REC COMMCD1 MAY 1966  
MEASURE PT1 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV1 1200 FEET ABOVE SEA LEVEL  
WELL TYPE1 DRILLED  
WELL LOG1 VERY STONY TILL; SILTY, STONY TILL 30; FINE BROWN SILT SAND WITH STONES 35; GREY SILTY, STONY TILL 70; STONY, BUFF TILL 93; COARSE SAND AND FINE GRAVEL 96; FINE TO MEDIUM GRAVEL 100; FINE TO MEDIUM SAND 105.

DIAMETER OF WELL1 7 INCHES  
LENGTH OF CASING1 95 FEET  
LENGTH OF SCREEN1 5 FEET  
DEPTH OF WELL1 100 FEET

PUMP RATE1 N/A.  
SPEC. CAP1 N/A.  
AQUIFER 1 GRAVEL  
QUALITY 1 FRESH

1977 DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1									44.35		42.43	41.13	1
2									44.37		42.43	41.04	2
3									44.42		42.43	41.00	3
4									44.42		42.42	40.95	4
5									44.40		42.42	40.89	5
6									44.40		42.41	40.75	6
7											42.40	40.72	7
8											42.35	40.75	8
9											42.28	40.67	9
10											42.20	40.66	10
11											42.12	40.73	11
12											42.10	40.68	12
13											42.09	40.59	13
14										42.95	42.03	40.55	14
15										42.84	41.94	40.49	15
16										42.77	41.87	40.44	16
17										42.70	41.84	40.39	17
18										42.64	41.83	40.29	18
19										42.61	41.82	40.23	19
20								44.23		42.61	41.77	40.18	20
21								44.23		42.61	41.69	40.12	21
22								44.23		42.58	41.65	40.09	22
23								44.22		42.57	41.57	40.08	23
24								44.23		42.56	41.47	40.08	24
25								44.25		42.53	41.30	40.01	25
26								44.26		42.46	41.27	39.99	26
27								44.26		42.44	41.27	39.98	27
28								44.27		42.44	41.28	39.98	28
29								44.30		42.43	41.31	39.97	29
30								44.33		42.43	41.29	39.98	30
31								44.35		42.44		39.98	31
=MONTHLY SUMMARY=													
MEAN											41.91	40.43	MEAN
INST											41.24	39.97	INST
MAX											( 30 )	( 29 )	MAX
INST											42.44	41.24	INST
MIN											( 1 )	( 1 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
WELLINGTON COUNTY

OBSERVATION WELL 131  
TOWNSHIP OF PUSLINC

CONC. 11 LOT 4

WELL REC #1 6702809  
UTM CO-ORD1 Z=17 E508056 N4822756  
LAT & LONG1 43=34NORTH 80=10WEST

REC METHOD1 IF1 TYPE RECORDER  
REC COMMD1 FEB 2 1968  
MEASURE PT1 2.8 FEET ABOVE GROUND SURFACE  
GND ELEV1 1115 FEET ABOVE SEA LEVEL  
WELL TYPE1 DRILLED  
WELL LOG1

DIAMETER OF WELL1 12 INCHES  
LENGTH OF CASING1 40.5 FEET  
LENGTH OF SCREEN1 NONE  
DEPTH OF WELL1 138 FEET

PUMP RATE1 700 IGPM  
SPEC. CAP1 140 IGPM/FT  
AQUIFER1 LIMESTONE  
QUALITY1 FRESH

LOAM 1; GRAVEL, SAND AND BOULDERS 5; GRAVEL, CLAY AND BOULDERS 27; SAND, GRAVEL, CLAY 32; SAND 38; DARK HARD SHALE 53; GREY LIMESTONE 113; VERY SOFT LIMESTONE 115; GREY LIMESTONE 127; VERY SOFT LIMESTONE 131; HARD GREY LIMESTONE 138.

1977  
DAILY MEAN WATER LEVELS IN FEET BFLOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		52.09	51.20	47.32			47.48	47.56	53.29	46.89			1
2		51.84	53.07	44.39			47.47	47.58	51.30	46.93	47.26		2
3		52.72		43.86	44.14		47.50	47.59	49.51	46.99	47.26		3
4		52.12		46.38	44.10	47.30	47.50	47.59	49.27	47.01	47.28		4
5		52.99	47.79	46.98	44.08	47.28	47.50	47.59	49.86	46.98	47.30		5
6		49.34	49.18	46.36	44.13	47.23	49.11	47.57	50.82	46.94	47.29		6
7		51.37	50.88	46.46	44.17	47.25	47.44	47.51		46.95	47.25		7
8		52.04	50.92	43.93	44.15	47.26	47.33	47.39		50.47	47.14		8
9		53.97	49.77	43.83	44.19	47.33	47.40	47.42		47.23	47.16		9
10		50.86	49.82	43.80	44.22	47.35	47.46	47.43		47.13			10
11		51.53	49.42	46.23	44.25	47.37	47.46	47.46		47.12			11
12		52.68	46.67	44.65	44.25	47.42	47.45	47.50		47.14			12
13		48.46	45.88	48.43	44.26	48.51	47.49	47.54	53.48				13
14			47.49	49.15	44.30	47.87	48.15	47.53	53.49	47.15			14
15			45.90		44.36	50.76	48.54	47.58	53.65				15
16			45.91	44.37	48.98	50.23	47.56	48.52	51.30				16
17			46.01	44.05	45.72	47.56	47.53	48.64	47.84				17
18			46.01	47.16	45.82	47.38	47.52	47.49	47.58				18
19	54.02		46.16	44.16	44.43	47.36	47.49	47.49	48.62				19
20	53.13		46.35	46.97		47.39	49.56	47.51	50.00				20
21	54.23		49.84	47.01		47.43	47.72	47.47	48.71				21
22	51.89	51.65	48.21	44.34		47.89	47.63	47.34	49.10				22
23	50.43	51.79	47.23	43.79		47.76	47.60	47.45					23
24	51.04	51.12	49.24	43.66		47.47	47.54	47.48					24
25	54.00	53.64	46.64	43.70		47.43	47.48	47.49	47.69				25
26	54.38	54.02	47.83	44.78		47.41	47.65	47.51	47.27				26
27	54.44	48.90		45.34		47.38	47.65	47.51	47.29				27
28	54.57	48.90		44.01		47.35	47.63	47.53	47.21				28
29	54.60			44.02		47.36	47.60	47.56	46.96				29
30	50.90					47.41	47.59	47.57	46.91				30
31	53.19		46.50				47.52	51.78					31

-MONTHLY SUMMARY-

MEAN						47.70	47.72						MEAN
INST							47.39	47.26					INST
MAX							( 7 )	(21)					MAX
INST							52.36	52.98					INST
MIN							(20)	(31)					MIN

ENVIRONMENT ONTARIO  
TORONTO  
WELLINGTON COUNTY

OBSERVATION WELL 213  
TOWNSHIP OF PUSLINC

CONC. 10 LOT 4

WELL REC #1 6704351  
UTM CO-ORD1 Z=17 E567300 N4822500  
LAT & LONG1 43=33NORTH 80=10WEST

REC METHOD1 IF1 TYPE RECORDER  
REC COMMD1 MAR 19 1968  
MEASURE PT1 0.0 FEET ABOVE GROUND SURFACE  
GND ELEV1 1050 FEET ABOVE SEA LEVEL  
WELL TYPE1 DIG  
WELL LOG1 CLAY AND BOULDERS 6; COARSE GRAVEL 11.

DIAMETER OF WELL1 20 INCHES  
LENGTH OF CASING1 11 FEET  
LENGTH OF SCREEN1 NONE  
DEPTH OF WELL1 11 FEET

PUMP RATE1 N.A.  
SPEC. CAP1 N.A.  
AQUIFER1 OVERBURDEN  
QUALITY1 FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BFLOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			9.35	9.30	9.29	9.21	9.20			9.25		9.33	1
2			9.35	9.30	9.29	9.21	9.20			9.25	9.29	9.33	2
3			9.34	9.29	9.28	9.21	9.21			9.26	9.29	9.33	3
4			9.33	9.29	9.28	9.21	9.21			9.26	9.29	9.33	4
5			9.33	9.28	9.28	9.21	9.21			9.26	9.29	9.33	5
6			9.34	9.28	9.28	9.21	9.21			9.26	9.30	9.33	6
7			9.35	9.29	9.28	9.21	9.20			9.26	9.30	9.33	7
8			9.34	9.29	9.28	9.21	9.20			9.26	9.30	9.34	8
9			9.34	9.31	9.28	9.21	9.21			9.26	9.30	9.34	9
10			9.34	9.31	9.27	9.21	9.21			9.26	9.30	9.34	10
11			9.33	9.31	9.27	9.21	9.21			9.26	9.30	9.34	11
12			9.33	9.31	9.27	9.21	9.21			9.27	9.30	9.34	12
13			9.30	9.30	9.26	9.21			9.22	9.27	9.31	9.34	13
14			9.29	9.29	9.26	9.21			9.23	9.27	9.31	9.33	14
15			9.29	9.29	9.26	9.20			9.23	9.27	9.31	9.33	15
16			9.29	9.29	9.25	9.19			9.23	9.27	9.31	9.33	16
17			9.30	9.30	9.24	9.19			9.24	9.24	9.31	9.33	17
18			9.30	9.30	9.24	9.19			9.24	9.24	9.31	9.33	18
19			9.31	9.30	9.24	9.19			9.24	9.24	9.31	9.33	19
20			9.31	9.31	9.23	9.19			9.24	9.24	9.31	9.33	20
21			9.31	9.30	9.23	9.19			9.24	9.24	9.31	9.33	21
22		9.33	9.30	9.29	9.23	9.19			9.24	9.24	9.31	9.33	22
23		9.34	9.30	9.29	9.23	9.19			9.25	9.25	9.31	9.33	23
24		9.34	9.30	9.28	9.22	9.19			9.25	9.25	9.31	9.33	24
25		9.33	9.30	9.28	9.22	9.20			9.25	9.25	9.31	9.33	25
26		9.33	9.31	9.28	9.22	9.20			9.25	9.25	9.31	9.33	26
27		9.33		9.28	9.21	9.20			9.25	9.25	9.31	9.33	27
28		9.34		9.28	9.21	9.20			9.25	9.25	9.31	9.33	28
29				9.29	9.21	9.20			9.25	9.25	9.34	9.33	29
30				9.29	9.21	9.20			9.25	9.25	9.34	9.33	30
31			9.31		9.21	9.20			9.25		9.34	9.33	31

-MONTHLY SUMMARY-

MEAN				9.29	9.25	9.20							MEAN
INST				9.28	9.21	9.19							INST
MAX				(24)	(31)	(17)							MAX
INST				9.32	9.30	9.21							INST
MIN				(11)	( 1 )	( 3 )							MIN

ENVIRONMENT ONTARIO  
TORONTO  
WELLINGTON COUNTY  
OBSERVATION WELL 397  
TOWNSHIP OF PUSLINCH  
CONC. 9 LOT 4  
WELL REC #1 6700871  
UTM CO-ORD: Z=17 F566100 N4821250  
LAT & LONG: 43-34 NORTH 81-11 WEST  
REC METHOD: A35 RECORDER  
REC COMM: JUL 25 1973  
MEASURE PT: 3.6 FEET ABOVE GROUND SURFACE  
GND ELEV: 1078 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 2; DIRTY SAND AND GRAVEL 6; GRAVEL AND CLAY 21; BROWN LIMESTONE 29; GREY LIMESTONE 65.  
DIAMETER OF WELL: 10 INCHES  
LENGTH OF CASING: 22.5 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 65 FEET  
PUMP RATE: 1200 IGPM  
SPEC. CAP: 141 IGPM/FT  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1977 DAILY MEAN WATER LEVELS UN FEET BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					1.97			2.47	2.08				1
2					1.96				1.95				2
3					2.01				1.88				3
4					1.97	2.12			1.82				4
5					1.92	1.98			1.75				5
6					1.96	1.87			1.80	2.12			6
7					2.05	2.11			2.02	2.11			7
8					2.03	2.18			2.17	2.03			8
9					2.09	2.24			2.24	1.91			9
10					2.10	2.30			2.16	1.87			10
11					2.14	2.27			2.38	1.82			11
12					2.14	2.25			2.49				12
13					2.14	2.26			2.56				13
14					2.19	2.25			2.61				14
15					2.24				2.52				15
16					2.27				2.45				16
17					2.30	2.23			2.39				17
18					2.35	2.21			2.30				18
19					2.41	1.96			2.24				19
20					2.47	1.81			2.37				20
21				2.14	2.51	1.73			2.50				21
22				2.15	2.56	1.67			2.37	1.68			22
23				2.12	2.61	1.64			2.29	1.74			23
24				1.99		1.80			2.24	1.74			24
25				1.94						1.72			25
26				1.94				2.27		1.69			26
27				1.92				2.29	2.89	1.72			27
28				1.96			2.11		2.78				28
29				1.99			2.24		2.74				29
30				1.99			2.33	2.29	2.67				30
31							2.44	2.27					31
-MONTHLY SUMMARY-													MEAN
INST													INST
MAX													MAX
INST													INST
MIN													MIN

ENVIRONMENT ONTARIO  
TORONTO  
WELLINGTON COUNTY  
OBSERVATION WELL 544  
TOWNSHIP OF PUSLINCH  
CONC. 7 LOT 7  
WELL REC #1 6702440  
UTM CO-ORD: Z=17 E564663 N4817366  
LAT & LONG: 43-30 NORTH 80-22 WEST  
REC METHOD: 'F' TYPE RECORDER  
REC COMM: JUL. 27 1977  
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 1085 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: STONES AND GRAVEL 20; GRAVEL 25; FINE CLAY, SAND AND STONES 43; LIGHT BROWN BROKEN ROCK 45; LIGHT BROWN ROCK 99; DARK BROWN ROCK 135; DARK GRAY ROCK 175; LIGHT GRAY ROCK 235; GRAY AND BLUE LIMESTONE 270; BLUE SHALE 271.  
DIAMETER OF WELL: 12 INCHES  
LENGTH OF CASING: 45 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 271 FEET  
PUMP RATE: 103 IGPM  
SPEC. CAP: 0.55 IGPM/FT  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1977 DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1								7.77		6.37			1
2								7.44		6.44			2
3								7.38		6.43		5.44	3
4								7.58		6.51		5.44	4
5								7.57		6.36		5.33	5
6								7.40		6.46		5.47	6
7								7.38				5.53	7
8								7.75		6.55		5.47	8
9								7.84		6.41		5.37	9
10								7.50		6.41		5.49	10
11								7.48		6.56		5.62	11
12												5.55	12
13												5.59	13
14										6.42		5.51	14
15										6.55		5.47	15
16										6.57		5.50	16
17										6.61		5.39	17
18								7.47		6.49		5.54	18
19								7.34		6.58		5.57	19
20								7.27		6.56		5.61	20
21										6.66		5.49	21
22										6.54			22
23												5.67	23
24										6.64		5.68	24
25										6.76		5.54	25
26										6.61		5.65	26
27								7.42		6.73		5.62	27
28								7.42		6.69		5.60	28
29								7.51		6.82		5.45	29
30							7.37		6.49	6.64			30
31							7.66						31
-MONTHLY SUMMARY-													
MEAN													MEAN
INST													INST
MAX													MAX
INST													INST
MIN													MIN

## OBSERVATION WELL DATA

## REGIONAL OFFICE

**DON MILLS**

150 Ferrand Dr.  
416-424-3000

## DISTRICT OFFICES

## Barrie

12 Fairview Rd.  
705-726-1730

Muskoka - Haliburton  
Gravenhurst Shopping  
Centre

705-687-3408

Peterborough

139 George St. N.

705-743-2972

Halton - Peel

125 Cross Ave. Oakville  
416-822-2566

## LEGEND

Regional Office

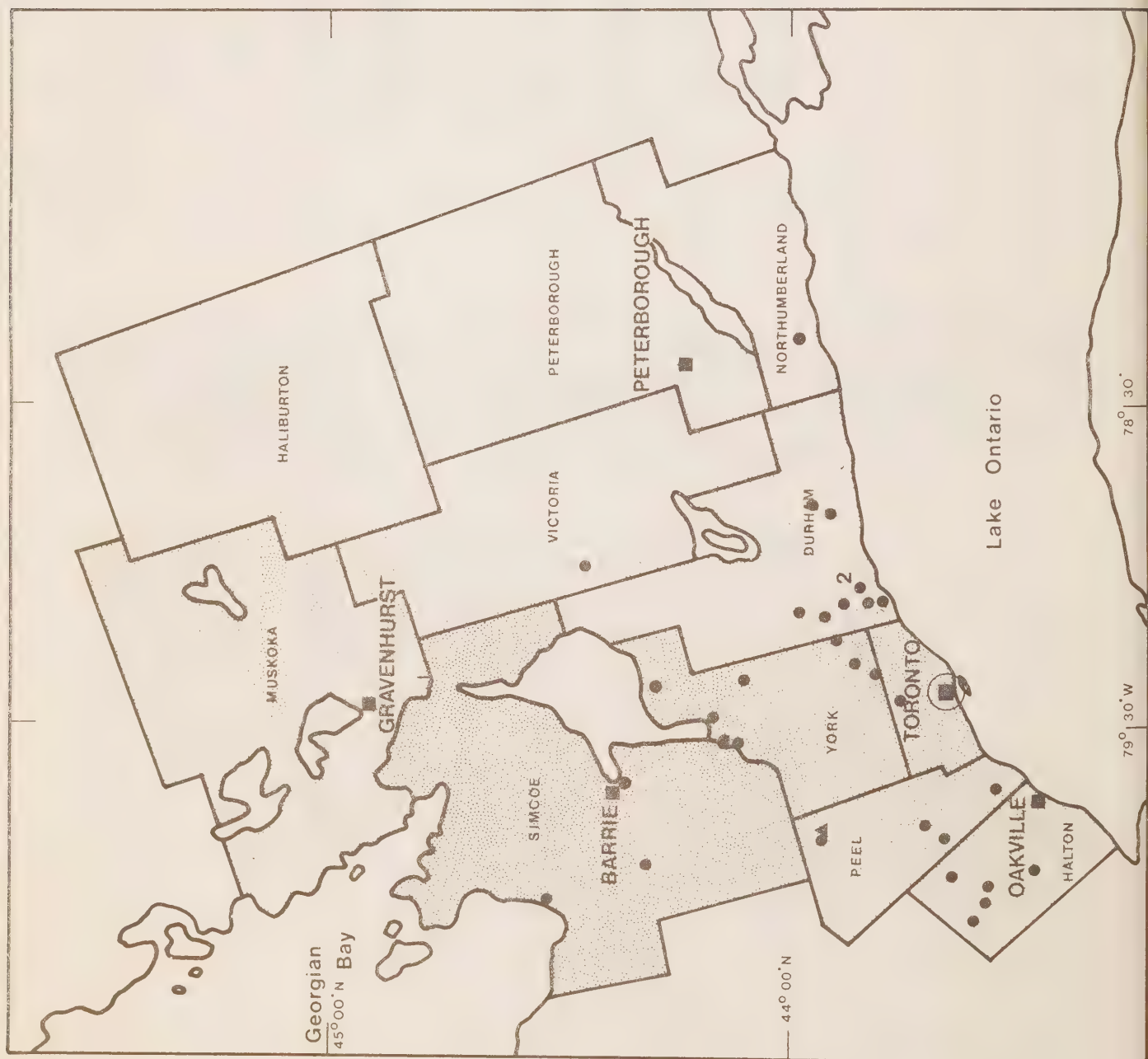
District Office

Recording	Observation	Well
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
76	77	78
79	80	81
82	83	84
85	86	87
88	89	90
91	92	93
94	95	96
97	98	99
100	101	102
103	104	105
106	107	108
109	110	111
112	113	114
115	116	117
118	119	120
121	122	123
124	125	126
127	128	129
130	131	132
133	134	135
136	137	138
139	140	141
142	143	144
145	146	147
148	149	150
151	152	153
154	155	156
157	158	159
160	161	162
163	164	165
166	167	168
169	170	171
172	173	174
175	176	177
178	179	180
181	182	183
184	185	186
187	188	189
190	191	192
193	194	195
196	197	198
199	200	201
202	203	204
205	206	207
208	209	210
211	212	213
214	215	216
217	218	219
220	221	222
223	224	225
226	227	228
229	230	231
232	233	234
235	236	237
238	239	240
241	242	243
244	245	246
247	248	249
250	251	252
253	254	255
256	257	258
259	260	261
262	263	264
265	266	267
268	269	270
271	272	273
274	275	276
277	278	279
280	281	282
283	284	285
286	287	288
289	290	291
292	293	294
295	296	297
298	299	300
301	302	303
304	305	306
307	308	309
310	311	312
313	314	315
316	317	318
319	320	321
322	323	324
325	326	327
328	329	330
331	332	333
334	335	336
337	338	339
340	341	342
343	344	345
346	347	348
349	350	351
352	353	354
355	356	357
358	359	360
361	362	363
364	365	366
367		

Number of Recording Wells  
in same location

## Manually Measured Well

Number of Manually Measured Wells  
in same location



ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 302  
TOWNSHIP OF PICKERING

CONC. 7 LOT 21 LAT & LONG: 43-57NORTH 79-00WEST

WELL REC #1 4605190  
UTM CO-ORD: Z-17 8650180 N4866820  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER : TILL  
QUALITY : FRESH

REC METHOD: 1" TYPE RECORDER  
REC COMMD: JUN 9 1970  
MEASURE P1: 0.40 FEET ABOVE GROUND SURFACE  
GND ELEV: 830 FEET ABOVE SEA LEVEL  
WELL TYPE: UCG  
WELL LOG: TILL OVERBURDEN 20.

DIAMETER OF WELL: 48 INCHES  
LENGTH OF CASING: 20 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 20 FEET

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.28				3.62	5.36	5.56	5.69	4.88	2.86			1
2	5.33				3.64	5.37	5.61	5.71	4.42	2.42			2
3	5.38				3.70	5.39	5.65	5.74	4.11	2.71			3
4	5.41		3.18		3.70	5.40	5.68	5.76	4.01	3.04			4
5	5.42		2.56		3.68	5.43	5.66	5.78	4.00				5
6			2.91		3.74	5.45	5.65	5.72	3.98			3.17	6
7			3.05		3.93	5.47	5.59	5.66	3.96			3.22	7
8			3.00	2.97	4.04	5.50	5.53	5.61	3.93			3.28	8
9			2.42	2.97	4.16	5.54	5.51	5.59	3.93			3.31	9
10			1.66	2.98	4.26	5.58	5.53	5.55	3.89			3.33	10
11		5.66	1.72	3.04	4.37	5.59	5.54	5.49	3.88			3.37	11
12		5.66	1.72		4.46	5.61	5.53	5.46	3.94			3.41	12
13		5.46	1.51		4.56	5.65	5.55	5.43	3.97			3.44	13
14		5.07	1.64	3.48	4.65	5.66	5.61	5.40	3.74			2.83	14
15		4.74	1.94	3.52	4.75	5.69	5.56	5.42	3.74			2.80	15
16		4.64	2.08	3.54	4.85	5.70	5.36	5.40	3.69			2.94	16
17		4.70	2.18	3.57	4.93	5.67	5.31	5.32	3.45			3.04	17
18		4.73		3.58	5.00	5.63	5.32	5.28	3.44			3.12	18
19		4.84		3.60	5.04	5.60	5.33	5.27	3.46			3.14	19
20		4.81		3.63	5.07	5.60	5.36	5.26	3.29			3.09	20
21		4.81		3.62	5.09	5.64	5.40	5.25	3.12			3.14	21
22		4.85		3.25	5.11	5.69	5.46	5.18	3.13			3.16	22
23		4.91		2.97	5.14	5.72	5.50	5.16	3.17			3.17	23
24			2.45	2.96	5.18	5.72	5.52	5.14	3.42			2.76	24
25			2.45	3.17	5.21	5.62	5.54	5.13	2.58				25
26			2.46	3.30	5.25	5.62	5.62	5.15	2.51				26
27			2.47	3.39	5.29	5.65	5.68	5.20	2.60				27
28			2.56	3.49	5.32	5.67	5.70	5.27	2.78				28
29			2.58	3.56	5.35	5.49	5.71	5.28	2.93				29
30				3.59	5.38	5.55	5.73	5.28	3.11				30
31					5.38	5.74	5.74	5.20					31
-MONTHLY SUMMARY-													
MEAN					4.64	5.58	5.55	5.41	3.57				MEAN
INST MAX					3.61 ( 1 )	5.36 ( 1 )	5.30 ( 18 )	5.10 ( 31 )	2.42 ( 25 )				INST MAX
INST MIN					5.39 ( 31 )	5.72 ( 23 )	5.76 ( 31 )	5.79 ( 5 )	5.10 ( 1 )				INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 329  
TOWNSHIP OF PICKERING

CONC. 7 LOT 2

WELL REC #1 4605090  
UTM CO-ORD: Z-17 8653700 N4869025  
LAT & LONG: 43-58NORTH 79-06WEST  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER : CLAY  
QUALITY : FRESH

REC METHOD: 1" TYPE RECORDER  
REC COMMD: DEC 21 1970  
MEASURE P1: 3.3 FEET ABOVE GROUND SURFACE  
GND ELEV: 599 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN FINE SAND, SILT & GREY CLAY, SILT, SAND AND PEBBLES 16.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 16 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 16 FEET

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						5.28	5.86	6.59	7.18	7.17			1
2						5.29	5.92	6.61	7.19	7.14			2
3						5.30	5.95	6.63	7.20	7.12			3
4					5.37	5.31	5.97	6.65	7.22				4
5					5.35	5.32	6.00	6.67	7.22				5
6					5.34	5.34	6.02	6.70	7.23				6
7					5.33	5.35	6.05	6.72	7.25				7
8					5.32	5.37	6.08	6.74	7.26				8
9					5.30	5.39	6.10	6.76	7.26				9
10					5.29	5.40	6.13	6.79	7.26				10
11					5.28	5.42	6.16	6.81	7.26				11
12					5.28	5.44	6.18	6.83	7.27				12
13					5.27	5.46	6.20	6.86	7.27				13
14					5.27	5.47	6.20	6.88	7.27	6.91			14
15					5.27	5.49	6.22	6.90	7.28	6.89			15
16					5.27	5.51	6.22	6.92	7.28	6.86			16
17					5.26	5.54	6.25	6.94	7.29	6.83			17
18					5.26	5.56	6.25	6.95	7.28	6.81			18
19					5.26	5.58	6.28	6.97	7.28	6.79			19
20					5.26	5.60	6.31	7.00	7.29	6.77			20
21					5.25	5.63	6.32	7.01	7.29	6.75			21
22					5.25	5.66	6.34	7.03	7.28	6.73			22
23					5.25	5.69	6.37	7.04	7.28	6.71			23
24					5.25	5.70	6.39	7.05	7.27	6.70			24
25					5.25	5.73	6.41	7.07	7.26	6.69			25
26					5.25	5.77	6.43	7.08	7.25	6.67			26
27					5.27	5.80	6.46	7.10	7.24				27
28					5.26	5.81	6.48	7.11	7.22				28
29					5.26	5.82	6.50	7.12	7.20				29
30					5.27	5.83	6.54	7.14	7.19				30
31					5.27		6.56	7.16					31
-MONTHLY SUMMARY-													
MEAN					5.53		6.23	6.90	7.25				MEAN
INST MAX						5.28 ( 1 )	5.82 ( 1 )	6.57 ( 1 )	7.17 ( 1 )				INST MAX
INST MIN						5.84 ( 30 )	6.57 ( 31 )	7.17 ( 31 )	7.24 ( 17 )				INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 405  
TOWNSHIP OF PICKERING

CONC. 6 LOT 20

WELL REC #: 4605830  
DIM COORD: Z=17 E65160M N4864396  
LAT & LONG: 43-55NORTH 79-06WEST

REC METHOD: A35 RECORDER  
REC COMPLE: MAY 16 1974  
MEASURE PT: 3.6 FEET ABOVE GROUND SURFACE  
GND ELEV: 86.5 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN SANDY CLAY, GRAVEL 35; SAND, FINE GRAVEL, SILTY CLAY 40; GREY FINE SAND, SILT 80; GRAVEL, SAND, BOULDER

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 85.6 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 86.6 FEET

PUMP RATE: 12 IGPM  
SPEC. CAP: 447 IGPM/PI  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	31.71		32.72	31.90	30.58	30.47	31.20	31.72	32.23	32.01	30.87	28.54	1
2	31.97		32.80	31.45	30.39	30.58	31.39	31.89	32.23	31.90	30.84	28.53	2
3	31.80		32.83	31.33	30.58	30.95	31.52	31.90	32.25	31.94	30.84	28.64	3
4	31.75	32.11	32.57	31.49	30.47	30.97	31.44	31.90	32.27	31.91	30.87	28.71	4
5	31.82	32.20	32.41	30.73	30.14	30.77	31.40	31.90	32.15	31.87	30.85	28.25	5
6	31.74	32.48	32.72	31.19	30.11	30.67	31.39	31.90	32.27	31.81	30.99	28.46	6
7	31.56	32.53	32.73	31.50	30.42	30.68	31.37	31.89	32.34	31.81	30.88	28.84	7
8	31.94	32.52	32.73	31.42	30.35	30.82	31.40	31.89	32.35	31.60	30.67	28.30	8
9	32.02	32.40	32.61	31.47	30.43	30.94	31.51	31.97	32.21	31.18	30.39	28.80	9
10	31.52	32.41	32.62	31.22	30.48	31.11	31.65	31.95	32.12	31.37	30.39		10
11	31.74	32.39	32.75	30.98	30.50	31.06	31.59	31.97	32.36	31.41	30.26		11
12	31.98	32.41	32.56	30.92	30.50	30.97	31.47	31.98	32.26	31.47	30.63		12
13	32.22	32.13	32.16	30.80	30.41	31.13	31.64	31.97	32.26	31.53	30.40		13
14		32.34	32.24	30.80	30.59	31.17	31.64	31.97	32.26	31.22	30.01		14
15		32.64	32.37	30.89	30.80	31.18	31.64	32.16	32.60	31.14	29.77		15
16		32.71	32.14	30.87	30.85	31.16	31.60	32.04	32.48	31.13	29.66		16
17		32.63	32.26	30.82	30.60	30.98	31.58	31.88	32.33	31.10	29.70		17
18		32.53	32.16	30.74	30.46	30.93	31.59	32.04	32.29	31.15	29.06		18
19		32.46	31.78	30.77	30.91	31.59	32.13	32.26	32.31	31.52	29.13		19
20		32.52	31.84	30.80	31.05	31.58	32.11	32.47	32.31	31.34	29.70		20
21		32.53	32.26	30.82	31.17	31.59	32.08	32.47	32.51	31.27	29.81		21
22		32.49	32.16	30.77	31.30	31.75	31.94	32.51	32.49	31.50	29.63		22
23		32.80	32.03	30.76	31.35	31.76	32.11	32.49	32.35	31.37	29.29		23
24		32.52	31.90	30.52	30.70	31.24	31.62	32.17	32.17	31.15	29.24		24
25		32.35	31.86	30.43	30.65	31.09	31.49	32.28	32.17	30.92	28.86		25
26		32.72	31.88	30.43	30.64	31.12	31.75	32.28	32.06	30.88	29.27		26
27		32.60	31.92	30.42	30.59	31.24	31.87	32.18	32.02	30.89	29.40		27
28		32.70	31.65	30.39	30.46	31.25	31.85	32.18	32.17	31.00	29.66		28
29			31.48	30.70	30.72	31.11	31.70	32.21	32.27	31.00	29.33		29
30			31.53	30.68	30.81	31.29	31.68	32.26	32.18	31.00			30
31			31.57		30.76		31.70	32.29		30.98			31

-MONTHLY SUMMARY-

MEAN			32.23	30.94		31.02	31.57	32.04	32.29	31.37	30.10		MEAN
INST			31.46	30.24		30.43	31.17	31.67	31.94	30.84	28.82		INST
MAX			(29)	(28)		(1)	(1)	(1)	(27)	(26)	(26)		MAX
INST			32.84	31.95		31.36	31.89	32.31	32.63	32.13	31.01		INST
MIN			(3)	(1)		(23)	(27)	(25)	(15)	(1)	(5)		MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 406  
TOWNSHIP OF PICKERING

CONC. 8 LOT 24

WELL REC #: 4605831  
DIM COORD: Z=17 E646822 N4868413  
LAT & LONG: 43-57NORTH 79-09WEST

REC METHOD: A35 RECORDER  
REC COMPLE: MAY 28 1974  
MEASURE PT: 3.5 FEET ABOVE GROUND SURFACE  
GND ELEV: 79.5 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN SANDY CLAY, GRAVEL 9; GREY CLAY, GRAVEL 24; GREY SANDY CLAY, GRAVEL 30; GREY FINE SAND 38; GREY CLAY AND

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 51 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 305 FEET

PUMP RATE: N/A.  
SPEC. CAP: N/A.  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

SCPE GRAVEL 44; GREY FINE SAND 46; GREY SAND, GRAVEL, CLAY 50; GREY SANDY CLAY 52; GREY SAND, CLAY AND GRAVEL  
LAYERS 68; GREY CLAY, SAND AND GRAVEL 203; SAND, GRAVEL 237; GREY CLAY 265; SAND AND GRAVEL 264; BLACK SAND AND  
GRAVEL 296; BLACK SHALE 305.

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.11		3.22	1.08	1.52	2.79	3.29	3.36	3.47	0.72	1.06		1
2	3.26		3.22	0.97	1.36	2.79	3.33	3.42	3.24	0.62	1.07		2
3	3.30	3.77	3.22	0.90	1.50	2.93	3.41	3.48	2.85	0.63	1.08		3
4	3.29	3.69	3.22	0.89	1.54	3.00	3.43	3.53	2.49	0.63	1.09		4
5	3.28	3.64	2.92	0.89	1.55	3.01	3.43	3.54	2.25	0.63	1.10		5
6	3.26	3.65	2.76	0.84	1.57	2.99	3.35	3.54	2.21	0.63	1.10		6
7	3.17	3.74	2.73	0.97	1.72	2.98	3.20	3.53	2.21	0.69	1.05		7
8	3.23	3.85	2.70	1.06	1.79	3.00	3.15	3.50	2.21	0.65	0.77		8
9	3.30	3.90	2.62	1.10	1.85	3.09	3.15	3.47	2.20	0.42	0.55		9
10	3.19	3.87		1.10	1.93	3.17	3.17	3.47	2.16	0.40			10
11	3.19	3.83		1.05	2.01	3.22	3.18	3.44	2.23	0.39			11
12	3.36	3.82		1.05	2.07	3.27	3.16	3.43	2.31	0.39			12
13	3.47	3.80	2.15	1.05	2.10	3.32	3.17	3.43	2.30	0.40			13
14	3.44		1.90	1.12	2.17	3.35	3.28	3.44	2.19	0.40			14
15	3.41		1.69	1.23	2.29	3.40	3.22	3.49	2.28	0.39			15
16	3.41		1.57	1.31	2.35	3.43	2.97	3.51	2.22	0.39			16
17	3.41		1.37	1.39	2.37	3.38	2.88	3.52	2.01	0.38			17
18	3.40		1.31	1.46	2.37	3.33	2.83	3.52	1.84	0.38			18
19	3.40		1.22	1.53	2.39	3.29	2.79	3.38	1.73	0.43			19
20	3.40		1.27	1.61	2.42	3.30	2.78	3.40	1.57	0.54			20
21	3.40		1.29	1.65	2.46	3.38	2.80	3.41	1.51	0.61			21
22	3.41		1.30	1.58	2.52	3.48	2.93	3.49	1.47	0.69			22
23	3.42		1.29	1.33	2.55	3.53	3.00	3.27	1.41	0.79			23
24			1.32	1.07	2.60	3.54	3.01	3.28	1.35	0.81			24
25			1.40	0.94	2.62	3.44	3.02	3.32	1.11	0.81			25
26		3.32	1.44	0.91	2.62	3.43	3.14	3.32	0.94	0.80			26
27		3.29	1.41	0.91	2.62	3.44	3.28	3.36	0.84	0.79			27
28		3.22	1.24	0.95	2.62	3.44	3.33	3.36	0.83	0.84			28
29			1.12	1.13	2.68	3.44	3.35	3.37	0.83	0.93			29
30			1.05	1.23	2.81	3.52	3.35	3.42	0.83	0.99			30
31			0.99		2.83		3.35	3.46		1.02			31

-MONTHLY SUMMARY-

MEAN			1.14	2.18	3.25	3.15	3.42	1.90	0.62				MEAN
INST			0.68	1.28	2.77	2.78	3.27	0.82	0.38				INST
MAX			(5)	(1)	(2)	(20)	(23)	(30)	(16)				MAX
INST			1.66	2.84	3.54	3.43	3.55	3.48	1.05				INST
MIN			(21)	(30)	(24)	(3)	(5)	(1)	(31)				MIN



ENVIRONMENTAL ONTARIO  
TOWN OF  
REGIONAL MUNICIPALITY OF HALTON  
OBSERVATION WELL 414  
TOWNSHIP OF ESQUEWING  
CONC. 3 LOT 16  
WELL REC #: 28000838  
UTM CO-ORD: 2-17 E562430 54426900  
LAT & LONG: 43-55NORTH 79-59WEST  
WELL METHOD: ASS MEASURED  
WELL CUMPL: AUGUST 1966  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 1075 FEET ABOVE SEA LEVEL  
WELL TYPE: UNILLOC  
WELL LOG: BROWN SAND AND STONES 5; WHITE GREY LIMESTONE 25; GREY BLACK LIMESTONE 30.5  
DIAMETER OF WELL: 7 INCHES  
LENGTH OF CASING: 9.5 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 38.5 FEET  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS REFERRED TO DISTANCE IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			6.54		3.35	6.11	7.19	7.93	6.47		4.64	1.86	1
2		7.80	6.58	2.44	3.51	6.25	7.38	8.02	6.48		4.70	2.26	2
3			6.57	2.00	3.74	6.42	7.48	8.10	6.47		4.77	2.55	3
4			6.15	2.13	3.78	6.46	7.53	8.17	6.45		4.84	2.79	4
5			4.67	1.71	3.83	6.47	7.58	8.22			4.81	2.75	5
6			4.05	2.14	4.02	6.41	7.41	8.23			4.47	2.93	6
7			4.67	2.41	4.22	6.37	7.04	8.21		3.08	2.52	3.15	7
8	7.00		4.65	2.66	4.22	6.48	6.56	7.92		2.68	2.48	3.07	8
9	7.03		3.86	2.76	4.41	6.66	6.75	7.60		1.54	2.28	3.21	9
10	6.76		2.27	2.82	4.48	6.79	6.93	7.55		2.09	2.13	3.40	10
11			1.62	2.93	4.61	6.81	6.97	7.55		2.36	2.51	3.42	11
12			1.53	3.10	4.65	6.89	7.01	7.62		2.59	2.69	3.44	12
13				3.16	4.72	7.02	7.14	7.68		2.79	2.76	3.40	13
14	7.09			3.36	4.83	7.07	7.28	7.66	6.12	2.82	2.80	2.36	14
15	7.13			3.53	4.95	7.16	7.26	7.70	6.20	2.88	2.83	1.92	15
16	7.19			3.66	5.06	7.20	6.95	7.58	6.18	2.93	2.48	2.11	16
17	7.20			3.78	5.08	7.17	6.99	6.49	5.60	3.01	2.29	2.24	17
18	7.27			3.89	5.12	6.98	7.10	6.73	5.35	3.18	2.51	2.27	18
19	7.29			3.99	5.22	6.89	7.16	6.91	5.03	3.41	2.62	2.07	19
20	7.35			4.13	5.31	7.05	7.26	7.08	4.72	3.56	2.51	2.03	20
21	7.40			4.19	5.41	7.20	7.37	7.11	4.50	3.68	2.65	2.16	21
22	7.43			4.22	5.52	7.32	7.53	6.73	4.50	3.91	2.71	2.36	22
23	7.43			2.53	5.64	7.37	7.57	6.80	4.55	3.97	2.47	2.49	23
24	7.41			1.66	5.67	7.37	7.58	6.85	4.56	4.02	2.56	2.34	24
25	7.39	6.92		2.05	5.52	7.31	7.63	6.77	1.16	4.04	2.55	2.14	25
26	7.36	6.87		2.39	5.63	7.23	7.79	6.73	0.71	4.15	2.87	2.34	26
27		6.83		2.57	5.71	7.34	7.87	6.70		4.28	3.03	2.66	27
28		6.62		2.83	5.81	7.36	7.92	6.66		4.41	3.31	2.82	28
29				3.06	6.04	7.12	7.94	6.60		4.47	3.33	2.99	29
30				3.21	6.13	7.12	8.00	6.53		4.53	3.00	3.15	30
31					6.14		7.99	6.50		4.56		3.31	31

-MONTHLY SUMMARY-													
MEAN					4.91	6.91	7.36	7.32			3.07	2.65	MEAN
INST					3.28	6.08	6.53	6.44			1.91	1.67	INST
MAX					( 1 )	( 1 )	( 8 )	(17)			(30)	( 1 )	MAX
INST					6.16	7.38	8.03	8.24			4.85	3.43	INST
MIN					(31)	(24)	(31)	( 6 )			( 4 )	(11)	MIN

ENVIRONMENTAL ONTARIO  
TOWN OF  
REGIONAL MUNICIPALITY OF HALTON  
OBSERVATION WELL 437  
TOWNSHIP OF ESQUEWING  
CONC. 1 LOT 26  
WELL REC #: 28000866  
UTM CO-ORD: 2-17 E576800 N4828000  
LAT & LONG: 43-56NORTH 80-03WEST  
WELL METHOD: ASS MEASURED  
WELL CUMPL: MAY 1966  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 1200 FEET ABOVE SEA LEVEL  
WELL TYPE: UNILLOC  
WELL LOG: CLAY TILL 4.5; HEURUCK 50.  
DIAMETER OF WELL: 7 INCHES  
LENGTH OF CASING: 26 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 50 FEET  
PUMP RATE: 4 IGPM  
SPEC. CAP: 0.41 IGPM/FT  
AQUIFER: ROCK  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.19	4.85	4.12	0.0	0.83	3.64	4.39	4.79	4.21	-0.02	2.24	-0.11	1
2	4.25	4.88	4.15	-0.10	0.97	3.71	4.56	4.79	4.27	-0.17	2.33	-0.17	2
3	4.26	4.84	4.14	-0.31	1.15	3.80	4.63	4.80	4.31	0.03	2.40	-0.03	3
4	4.28	4.83	3.79	-0.24	1.22	3.87	4.69	4.80	4.34	0.22	2.50	0.16	4
5	4.32	4.85	2.08	-0.51	1.27	3.90	4.74	4.80	4.37	0.38	2.58	0.27	5
6	4.31	4.86	1.83	-0.19	1.41	3.87	4.59	4.80	4.45	0.57	2.58	0.35	6
7	4.29	4.86	1.82	-0.08	1.60	3.85	4.27	4.80	4.51	0.73	1.95	0.34	7
8	4.36	4.87	1.66	0.05	1.69	3.92	4.01	4.75	4.56	0.45	0.39	0.64	8
9	4.40	4.86	0.68	0.14	1.83	3.99	4.16	4.59	4.56	-0.26	0.33	0.64	9
10	4.28	4.86	-0.27	0.13	1.94	4.09	4.27	4.66	4.59	-0.05	0.11	0.84	10
11	4.41	4.85	-0.26	0.18	2.10	4.12	4.33	4.69	4.68	0.04	0.01	0.91	11
12	4.49	4.85	-0.30	0.29	2.20	4.17	4.41	4.74	4.71	0.10	0.20	0.92	12
13	4.52	4.79	-0.68	0.38	2.30	4.25	4.53	4.81	4.57	0.30	0.34	0.94	13
14	4.44	4.80	-0.44	0.50	2.41	4.30	4.62	4.68	4.28	0.39	0.45	0.26	14
15	4.50	4.83	-0.33	0.61	2.55	4.35	4.62	4.67	4.34	0.46	0.48	-0.12	15
16	4.52	4.83	-0.23	0.72	2.67	4.37	4.62	4.61	4.22	0.42	0.39	-0.11	16
17	4.54	4.83	-0.11	0.82	2.75	4.37	4.62	3.84	3.75	0.55	0.11	-0.06	17
18	4.58	4.80	-0.09	0.92	2.81	4.23	4.62	4.03	3.55	0.68	0.06	-0.03	18
19	4.59	4.81	0.04	1.04	2.87	4.15	4.62	4.15	3.33	0.82	0.11	0.01	19
20	4.66	4.82	0.03	1.12	2.92	4.23	4.62	4.27	3.14	0.96	0.15	-0.02	20
21	4.67	4.82	0.12	1.20	3.04	4.33	4.67	4.35	3.07	1.07	0.0	0.01	21
22	4.72	4.80	-0.01	1.14	3.15	4.42	4.74	3.53	3.11	1.20	0.16	0.06	22
23	4.74	4.84	0.06	0.07	3.22	4.51	4.76	3.45	3.16	1.35	0.11	0.10	23
24	4.70	4.72	0.07	-0.22	3.26	4.54	4.77	3.59	2.89	1.43	-0.02	0.12	24
25	4.68	4.36	0.19	-0.07	3.19	4.51	4.78	3.72	0.40	1.51	0.07	-0.13	25
26	4.66	4.37	0.16	0.07	3.28	4.50	4.76	3.79	-0.05	1.57	0.15	-0.01	26
27	4.67	4.28	0.03	0.19	3.34	4.57	4.75	3.87	-0.02	1.69	0.41	0.17	27
28	4.69	4.14	-0.15	0.38	3.42	4.62	4.79	3.97	0.15	1.82	0.55		28
29	4.74		-0.30	0.57	3.54	4.31	4.79	4.04	0.31	1.95	0.68		29
30	4.78		-0.20	0.71	3.62	4.32	4.79	4.11	0.43	2.08	0.65		30
31	4.80		-0.16		3.66		4.79	4.15		2.16			31

-MONTHLY SUMMARY-													
MEAN	4.52	4.76	0.69	0.52	2.46	4.19	4.59	4.34	3.27	0.79	0.75		MEAN
INST	4.15	4.14	-0.76	-0.64	0.79	3.63	3.95	3.25	-0.25	-0.35	-0.10		INST
MAX	( 1 )	(26)	(3)	( 5 )	( 1 )	( 1 )	( 8 )	(22)	(26)	( 9 )	(23)		MAX
INST	4.80	4.09	4.10	1.25	3.66	4.74	4.79	4.86	4.72	2.19	2.60		INST
MIN	(31)	( 2 )	( 3 )	(22)	(31)	(28)	(31)	(13)	(12)	(31)	( 7 )		MIN

ENVIRONMENTAL UNIT  
TOWN OF GEORGETOWN  
REGIONAL MUNICIPALITY OF HALTON

OBSERVATION WELL 377

TOWN OF GEORGETOWN

CONC. -

LUT -

WELL REC #1 2804244  
UTM CO-ORD: Z=17 1566240 N4832900  
LAT & LONG: 43=39NORTH 79=56WEST

REC METHOD: ASS RECORDER  
REC COMPLE: APR 26 1973  
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 866 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: RED CLAY, SAND AND GRAVEL 27; FINE SAND 80; COARSE SAND 109.

DIAMETER OF WELL: 5 INCHES  
LENGTH OF CASING: 87 FEET  
LENGTH OF SCREEN: 22 FEET  
DEPTH OF WELL: 109 FEET

PUMP RATE: 45 LPM  
SPEC. CAP: N.A.  
AQUIFER: COARSE SAND  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.91	7.10			8.24	7.66	7.49	8.00	8.57	9.21	8.89	8.49	1
2	7.91			8.75	8.17	7.55	7.49	8.07	8.25	9.10	8.92	8.42	2
3	7.94			8.60	8.18	7.54	7.56	8.15	8.72	9.16	8.91	8.38	3
4	7.80			8.59	8.11	7.54	7.97	8.31	8.69	9.21	9.08	8.35	4
5	7.96			8.53	8.05	7.54	7.79	8.03	8.77	9.26	9.08	7.49	5
6	8.03			8.54	8.03	7.51	7.60	8.06	8.90	9.23	8.99	8.12	6
7	8.06			8.65	7.99	7.45	7.64	8.12	8.93	9.24	8.96	8.19	7
8	8.05			8.62	7.91	7.46	7.65	8.15	8.98	9.24	8.93	8.21	8
9	8.01			8.57	7.89	7.56	7.66	8.21	8.95	9.18	8.93	8.18	9
10	8.00			8.53	7.86	7.54	7.62	8.24	8.73	9.16	8.48	8.22	10
11	7.92			8.51	7.86	7.51	7.68	8.30	8.96	9.16	7.65	8.31	11
12	7.86			8.56	7.38	7.50	7.69	8.37	9.04	9.17	8.56	8.23	12
13	7.84			8.57	7.75	7.87	7.72	8.40	9.06	9.10	8.66	8.09	13
14	7.81			8.69	7.72	8.07	7.74	8.03	9.14	9.15	8.78	8.04	14
15	7.81			8.62	7.75	8.23	7.54	8.30	9.15	9.16	8.60		15
16	7.78			8.61	7.83	8.32	7.65	8.25	9.18	8.06	8.59		16
17	7.72			8.61	7.55	7.72	7.70	8.26	9.16	7.57	8.56		17
18	7.68			8.59	7.84	7.69	7.73	8.39	9.16	7.98	8.51		18
19	7.64			8.59	7.94	7.58	7.80	8.43	9.22	8.67	8.62		19
20	7.54			8.58	8.05	7.61	7.80	8.43	9.29	8.86	8.63		20
21	7.54			8.57	8.33	7.65	7.90	8.46	9.33	8.88	8.63		21
22	7.44			8.55	8.13	7.65	7.84	8.51	9.34	8.88	8.54		22
23	7.52			8.45	8.30	7.65	7.83	8.55	9.37	8.84	8.66		23
24	7.44			8.34	7.95	7.63	7.81	8.56	9.33	8.91	8.62		24
25	7.41			8.31	7.79	7.10	7.81	8.61	9.19	8.94	8.64		25
26	7.37			8.44	7.73	7.49	7.86	8.62	9.20	8.97	8.63		26
27	7.33			8.32	7.89	7.54	7.91	8.57	9.11	8.84	8.51		27
28	7.29			8.33	7.93	7.54	7.85	8.55	9.07	8.88	7.75		28
29	7.23			8.14	7.89	7.29	7.92	8.58	9.21	8.94	8.82		29
30	7.19			8.25	8.09	7.50	8.01	8.79	9.23	8.85	8.64		30
31	7.15				7.80		7.93	8.79		8.96			31

=MONTHLY SUMMARY=

MEAN	7.68				7.93	7.62	7.75	8.36	9.04	8.93	8.67		MEAN
INST	5.56				6.48	6.44	6.63	7.13	7.48	7.31	7.18		INST
MAX	(16)				(28)	(29)	(1)	(1)	(2)	(18)	(28)		MAX
INST	8.70				10.41	10.34	10.01	10.90	10.69	10.80	12.39		INST
MIN	(13)				(21)	(16)	(21)	(30)	(14)	(5)	(4)		MIN

ENVIRONMENTAL UNIT  
TOWN OF OAKVILLE  
REGIONAL MUNICIPALITY OF HALTON

OBSERVATION WELL 415

TOWNSHIP OF OAKVILLE

CONC. 6

LUT 1

WELL REC #: 2802576  
UTM CO-ORD: Z=17 1599450 N4817100  
LAT & LONG: 43=30NORTH 79=46WEST

REC METHOD: ASS RECORDER  
REC COMPLE: AUGUST 1966  
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 600 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: REDDISH TILL 5; RED SHALE 50.

DIAMETER OF WELL: 7 INCHES  
LENGTH OF CASING: 16.75 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 50 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: RED SHALE  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS REFERRED TO DISTANCE IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.54	4.60	6.22		4.05								1
2	4.50	4.57	6.16	3.79	4.15								2
3	4.55	4.67	6.09	3.55	4.27								3
4	4.54	4.67	6.17	3.52	4.31								4
5	4.55	4.65	7.90	3.48	4.34								5
6	4.54	4.58	7.37	3.44	4.42								6
7	4.54	4.56	6.70	3.55	4.49								7
8	4.55	4.55	6.43	3.72	4.49								8
9	4.54	4.60	7.12	3.84	4.52								9
10	4.69	4.60	7.86	3.90	4.55								10
11	4.56	4.64	7.21	3.98	4.59								11
12	4.58	4.67	6.67	4.05	4.61								12
13	4.66	4.84	6.59	4.08	4.63								13
14	4.74	5.16	7.54	4.17	4.65								14
15	4.76	5.51	6.70	4.20	4.67								15
16	4.77	5.70	6.30	4.23									16
17	4.72	5.75	5.97	4.28									17
18	4.70	5.70		4.30									18
19	4.69	5.54		4.35									19
20	4.67	5.41		4.39									20
21	4.66	5.31		4.42									21
22	4.68	5.20		4.40									22
23	4.70	5.06		2.96									23
24	4.78	5.05		1.94									24
25	4.82	5.28		2.56									25
26	4.89	5.60		2.97									26
27	4.85	5.87		3.26									27
28	4.74	6.06		3.55									28
29	4.72			3.78									29
30	4.67			3.93									30
31	4.66												31

=MONTHLY SUMMARY=

MEAN	4.67	5.09											MEAN
INST	4.51	4.54											INST
MAX	(4)	(8)											MAX
INST	4.94	6.14											INST
MIN	(26)	(28)											MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF HALTON

OBSERVATION WELL 374

TOWNSHIP OF THAFALGAR

CUNC. 3

LOT 14

WELL REC #1 2805707  
UTM CO-ORD: Z=17 E591175 N4818750  
LAT & LONG: 43=31NORTH 79=52WEST

REC METHOD: IFI TYPE RECORDER  
REC COMMOD: SEP 29 1971  
MEASURE PT: 2.4 FEET ABOVE GROUND SURFACE  
GND ELEV: 659 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 1; VERY HARD CLAY TILL 7; GRAVEL AND SOME GREY CLAY 8.5; BROWNISH CLAY 11.5;

DIAMETER OF WELL: 4 INCHES  
LENGTH OF CASING: 8 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 9 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: CLAY  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.55	5.80	5.96	1.15	1.85	4.52	4.74	5.24	5.14	1.87	3.25	2.16	1
2	5.57	5.50	5.98	1.15	1.94	4.53	4.77	5.19	5.14	1.65	3.35	1.91	2
3	5.59	5.26	5.98	1.12	2.08	4.59	4.82	5.16	5.13	1.59	3.46	1.71	3
4	5.61	5.29	5.95	1.07	2.20	4.65	4.87	5.15	5.12	1.52	3.55	1.59	4
5		5.31	5.88	0.98	2.30	4.67	4.91	5.15	5.12	1.52	3.65	1.56	5
6		5.34	5.80	0.95	2.41	4.69	4.95	5.15	5.12		3.73	1.34	6
7		5.38	5.66	0.95	2.56	4.71	4.97		5.14		3.80	1.55	7
8	5.56	5.43	5.50	1.01	2.71	4.72	4.95		5.29		3.13	1.67	8
9	5.59	5.46	5.22	1.10	2.82	4.74	4.89		5.31		2.80	1.73	9
10	5.60	5.49	4.59	1.19	2.94	4.76	4.84		5.34	1.57	2.59	1.82	10
11	5.60	5.52	4.02	1.31	3.06	4.78	4.81		5.37	1.71	2.44	1.92	11
12	5.63	5.54	3.56	1.43	3.17	4.80	4.79		5.40	1.74	2.37	2.00	12
13	5.66	5.57	3.16	1.57	3.27	4.84	4.79	5.15	5.41	1.55	2.35	2.01	13
14	5.66	5.59	2.74	1.72	3.38	4.88	4.80	5.13	5.41	1.45	2.35	1.76	14
15	5.66	5.62	2.42	1.87	3.49	4.90	4.83	5.14	5.45	1.38	2.34	1.52	15
16	5.66	5.65	2.18	2.02	3.60	4.90	4.85	5.14	5.46	1.40	2.31	1.32	16
17	5.67	5.69	2.08	2.17	3.68	4.88	4.84	5.08	5.45	1.49	2.24	1.14	17
18	5.67	5.71	2.02	2.30	3.76	4.82	4.85	5.07	5.33	1.56	2.17	1.00	18
19	5.68	5.74	1.99	2.43	3.84	4.76	4.86	5.08	5.18	1.61	2.13	0.88	19
20	5.70	5.76	2.00	2.56	3.92	4.73	4.88	5.04	5.14	1.66	2.09	0.80	20
21	5.72	5.78	2.01	2.68	4.00	4.72	4.89	5.01	5.08	1.76	2.09	0.71	21
22	5.75	5.81	1.99	2.79	4.07	4.74	4.94	5.01	5.09	1.89	2.09	0.68	22
23	5.77	5.83	1.93	2.84	4.15	4.77	4.98	5.04	5.14	2.04	2.09	0.66	23
24	5.77	5.85	1.86	2.95	4.21	4.78	5.01	5.04	5.14	2.19	2.08	0.66	24
25	5.78	5.87	1.80	3.06	4.26	4.79	5.04	5.04	5.14	2.37	2.06	0.66	25
26	5.78	5.89	1.77	3.17	4.30	4.78	5.10	5.04	5.14	2.54	2.03	0.66	26
27	5.78	5.92	1.70	3.28	4.33	4.77	5.15	5.04	5.14	2.67	2.03	0.72	27
28	5.78	5.94	1.57	3.39	4.35	4.75	5.20	5.04	5.14	2.77	2.07	0.82	28
29	5.78		1.41	3.50	4.39	4.73	5.24	5.04	5.14	2.87	2.14	0.94	29
30	5.78		1.27	3.61	4.44	4.73	5.27	5.04	5.14	3.01	2.21	1.09	30
31	5.79		1.17	3.72	4.49		5.28	5.11		3.14		1.25	31

-MONTHLY SUMMARY-

MEAN		5.63	3.26	1.69	3.42	4.75	4.94		4.66		2.61	1.34	MEAN
INST		5.24	1.15	0.95	1.77	4.51	4.73		2.02		2.01	0.66	INST
MAX		( 2)	(31)	( 5)	( 1)	( 1)	( 1)		(30)		(27)	(25)	MAX
INST		5.95	5.98	2.82	4.51	4.90	5.29		5.47		3.85	2.22	INST
MIN		(28)	( 4)	(22)	(31)	(16)	(31)		(16)		( 8)	( 1)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF HALTON

OBSERVATION WELL 531

CITY OF BURLINGTON

NS 3

LOT 2

WELL REC #1 N.A.  
UTM CO-ORD: Z=17 E590760 N4806960  
LAT & LONG: 43=25NORTH 79=52WEST

REC METHOD: IFI TYPE RECORDER  
REC COMMOD: APRIL 1977  
MEASURE PT: 2.5 FEET ABOVE GROUND SURFACE  
GND ELEV: 925 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: POSSIBLE LOG: OVERBURDEN 03; LIMESTONE BEDROCK 65.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: N.A.  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 65 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY: N.A.

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1												15.48	1
2												14.73	2
3												14.78	3
4												15.09	4
5												15.17	5
6												15.20	6
7												15.81	7
8												16.26	8
9												16.12	9
10												16.86	10
11												17.11	11
12												17.05	12
13												17.09	13
14												16.13	14
15												13.90	15
16												13.27	16
17												12.92	17
18												12.27	18
19												11.26	19
20												10.75	20
21												10.69	21
22												10.86	22
23												11.06	23
24												11.20	24
25												10.48	25
26												10.41	26
27												10.87	27
28												11.27	28
29												11.64	29
30												12.06	30
31												12.54	31

-MONTHLY SUMMARY-

MEAN												13.56	MEAN
INST												10.29	INST
MAX												(26)	MAX
INST												17.15	INST
MIN												(11)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
NORTHUMBERLAND COUNTY

OBSERVATION WELL 530

TOWNSHIP OF HOPE

CONC. 5 LOT 26

WELL REC #: 1901998  
UTM CO-ORD: Z=17 E707800 N4870500  
LAT & LONG: 43-58NORTH 78-25WEST

REC METHOD: A35 RECORDER  
REC COMM: OCT. 25 1977  
MEASURE PT: 0.6 FEET ABOVE GROUND SURFACE  
GND ELEV: 480 FEET ABOVE SEA LEVEL  
WELL TYPE: CORED  
WELL LOG: TOPSOIL 01; SANDY BROWN CLAY 12; GRAVELLY BROWN CLAY

DIAMETER OF WELL: 30 INCHES  
LENGTH OF CASING: 22.5 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 22.5 FEET

PUMP RATE: 2 IGPM  
SPEC. CAP: N/A  
AQUIFER: GRAVELLY BROWN CLAY  
QUALITY: FRESH

1977 DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE													
JAN	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1											5.27	3.03	1
2											5.30	2.55	2
3											5.34	2.79	3
4											5.38	3.06	4
5											5.43	3.33	5
6											5.44	3.55	6
7											5.45	3.77	7
8											4.88	3.94	8
9											4.17	3.99	9
10											3.95	4.10	10
11											3.55	4.16	11
12											3.60	4.20	12
13											3.75	4.25	13
14											3.86	3.89	14
15											3.92	2.87	15
16											3.87	2.73	16
17											3.02	2.73	17
18											2.81	2.80	18
19											2.90	2.97	19
20											3.15	3.06	20
21											3.21	2.83	21
22											3.31	2.62	22
23											3.40	2.73	23
24											3.05	2.86	24
25											3.15	2.34	25
26													
27										4.98	3.07	2.29	26
28										5.02	3.41	2.07	27
29										5.08	3.67	3.02	28
30										5.15	3.81	3.29	29
31										5.19	3.82	3.50	30
										5.24		3.64	31
-MONTHLY SUMMARY-													
MEAN											3.96	3.21	MEAN
INST MAX											2.78 (18)	2.14 (26)	INST MAX
INST MIN											5.45 (7)	4.27 (13)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF PEEL

OBSERVATION WELL 251

TOWNSHIP OF ALBION

CONC. 6 LOT 23

WELL REC #: 4904158  
UTM CO-ORD: Z=17 E594400 N4864030  
LAT & LONG: 43-57NORTH 79-49WEST

REC METHOD: STEEL TAPE  
REC COMM: MAR. 03 1970  
MEASURE PT: 3.62 FEET ABOVE GROUND SURFACE  
GND ELEV: 899 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK SOIL 04; BROWN CLAY, SAND AND STONES 38; BROWN SAND AND A FEW STONES 60.

DIAMETER OF WELL: 1 INCH  
LENGTH OF CASING: 57 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 60 FEET

PUMP RATE: N/A  
SPEC. CAP: N/A  
AQUIFER: SAND  
QUALITY: FRESH

1977 DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE											
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					29/ 37.89	22/ 38.08		15/ 38.36	05/ 38.38		

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF PEEL

OBSERVATION WELL 252

TOWNSHIP OF ALBION

CONC. 6 LOT 23

WELL REC #: 4904159  
UTM CO-ORD: Z=17 E594400 N4864030  
LAT & LONG: 43-57NORTH 79-49WEST

REC METHOD: STEEL TAPE  
REC COMM: MAR. 03 1970  
MEASURE PT: 3.62 FEET ABOVE GROUND SURFACE  
GND ELEV: 899 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK SOIL 04; BROWN CLAY, SAND AND STONES 38; BROWN SAND WITH A FEW STONES 65; GREY CLAY, STONES AND SAND 68; BROWN-YELLOW SILT, CLAY 106; BLUE CLAY, STONES 130; BROWN-YELLOW SILT, CLAY 142.

DIAMETER OF WELL: 1 INCH  
LENGTH OF CASING: 139 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 142 FEET

PUMP RATE: N/A  
SPEC. CAP: N/A  
AQUIFER: SAND  
QUALITY: FRESH

1977 DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE											
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
					29/ 42.19	22/ 42.83		15/ 42.98	05/ 43.08		

ENVIRONMENT UNIT#10  
TOWN#10  
REGIONAL MUNICIPALITY OF PEEL

OBSERVATION WELL 253  
TOWNSHIP OF ALBION

COUNC. 6

LUT 23

WELL REC #: 4904160  
UTM CO-ORD: 2-17 E594400 N4864030  
LAT & LONG: 43-51NORTH 79-49WEST

REC METHOD: P.T. TYPE RECORDER  
REC COMPLE: MAR 3 1970  
MEASURE P1: 3.6 FEET ABOVE GROUND SURFACE  
GND ELEV: 900 FEET ABOVE SEA LEVEL  
WELL TYPE: UNILLEV  
WELL LOG: BLACK SOIL 4; BROWN CLAY, SAND AND STONES 38; BROWN SAND AND A FEW STONES 65; GREY CLAY, SILT AND SAND 61;  
BROWNISH YELLOW SILT, CLAY 106; BLUE CLAY AND STONES 130; BROWNISH YELLOW SILT, CLAY 214; GREY MARL 218.

DIAMETER OF WELL: 5 INCHES  
LENGTH OF CASING: 215 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 218 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: MARL  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	42.97	43.30	43.42	43.04	42.66	42.69	42.95	43.23		43.63	43.25	43.07	1
2	42.96	43.31	43.43	43.01	42.66	42.69	42.96	43.24		43.62	43.25	43.07	2
3	42.94	43.32	43.43	42.94	42.65	42.70	42.97	43.26		43.62	43.25	43.06	3
4	43.02	43.32	43.43	42.98	42.64	42.71	42.98	43.27		43.62	43.25	43.05	4
5	43.03	43.33	43.43	42.96	42.63	42.71	42.98	43.27		43.60	43.25	43.04	5
6	43.03	43.34	43.43	42.94	42.63	42.72	42.99	43.27	43.51	43.59	43.25		6
7	43.04	43.35	43.43	42.92	42.63	42.73	43.00	43.27	43.51	43.58	43.24		7
8	43.05	43.36	43.43	42.89	42.63	42.73	43.01	43.28	43.52	43.56	43.24		8
9		43.36	43.42	42.87	42.63	42.74	43.02	43.29	43.53	43.54	43.24		9
10		43.37	43.42	42.86	42.63	42.75	43.02	43.30	43.54	43.52	43.24		10
11		43.38	43.42	42.84	42.63	42.75	43.03	43.31	43.54	43.50			11
12		43.38	43.42	42.82	42.62	42.76	43.03	43.31	43.55	43.48			12
13			43.40	42.81	42.62	42.76	43.03	43.32	43.50	43.47			13
14	43.13		43.38	42.79	42.62	42.76	43.04	43.32	43.51	43.46			14
15	43.14		43.38	42.78	42.63	42.77	43.05	43.33	43.58	43.44			15
16	43.14		43.35	42.76	42.63	42.77	43.06	43.33	43.54	43.42			16
17	43.15		43.30	42.75	42.64	42.78	43.07	43.34	43.60		43.03		17
18	43.16		43.28	42.74	42.64	42.79	43.08	43.35	43.60	43.39			18
19	43.17	43.39	43.25	42.73	42.64	42.80	43.09	43.35	43.61	43.38			19
20	43.18	43.39	43.23	42.72	42.64	42.81	43.10	43.36	43.61	43.36			20
21	43.19	43.39	43.21	42.72	42.64	42.82	43.11	43.37	43.61	43.35			21
22	43.21	43.39	43.20	42.72	42.64	42.82	43.12	43.37	43.62	43.34			22
23	43.22	43.40	43.20	42.72	42.64	42.83	43.13	43.38	43.62	43.33			23
24	43.23	43.40	43.19	42.70	42.64	42.85	43.14		43.62	43.32			24
25	43.24	43.41	43.17	42.67	42.64	42.87	43.15		43.63	43.30			25
26	43.24	43.41	43.16	42.68	42.64	42.89	43.16		43.63	43.29			26
27	43.25	43.42	43.15	42.68	42.65		43.17		43.63	43.28			27
28	43.26	43.42	43.13	42.68	42.65		43.18		43.64	43.27			28
29	43.27		43.11	42.67	42.66		43.19		43.64	43.27			29
30	43.29		43.09	42.67	42.67	42.94	43.20		43.63	43.26			30
31	43.30		43.06		42.68		43.21			43.25			31

-MONTHLY SUMMARY-

MEAN			43.30	42.80	42.64		43.07			43.43			MEAN
INST			43.05	42.67	42.62		42.95			43.25			INST
MAX			(31)	(30)	(13)		(1)			(31)			MAX
INST			43.43	43.05	42.68		43.22			43.63			INST
MIN			(6)	(1)	(31)		(31)			(1)			MIN

ENVIRONMENT UNIT#10  
TOWN#10  
REGIONAL MUNICIPALITY OF PEEL

OBSERVATION WELL 167  
TOWNSHIP OF CHINGUACOUSY

HSA 5 LUT 5

WELL REC #: 4901999  
UTM CO-ORD: 2-17 E596500 N4832160  
LAT & LONG: 43-38NORTH 79-48WEST

REC METHOD: AS5 RECORDER  
REC COMPLE: JUL 15 1965  
MEASURE P1: 4.5 FEET ABOVE GROUND SURFACE  
GND ELEV: 675 FEET ABOVE SEA LEVEL  
WELL TYPE: UNILLEV  
WELL LOG: 1L SOIL 2; BROWN CLAY, GRAVEL 7; SAND AND GRAVEL 17; CLAY AND GRAVEL 20.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 15 FEET  
LENGTH OF SCREEN: 5 FEET  
DEPTH OF WELL: 20 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: CLAY AND GRAVEL  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS REFERRED TO DISTANCE IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1							6.80	7.24	7.40	6.41	6.13	5.64	1
2							6.82	7.27	7.45	6.33	6.16	5.60	2
3							6.84	7.28	7.46	6.19	6.18	5.76	3
4							6.86	7.32	7.47	6.05	6.20	5.70	4
5							6.87	7.36	7.47	5.96	6.22	5.64	5
6							6.89	7.38	7.48	5.93	6.22	5.61	6
7							6.92	7.32	7.50	5.93	6.24	5.62	7
8							6.95	7.29	7.52	5.93	6.24	5.63	8
9							6.95	7.26	7.53	5.93	6.26	5.61	9
10							6.94	7.23	7.53	5.89	6.26	5.70	10
11							6.94	7.14	7.52	5.83	6.26	5.71	11
12							6.94	7.19	7.53	5.79	6.26	5.71	12
13							6.94	7.18	7.54	5.78	6.24	5.71	13
14							6.96	7.19	7.55	5.77	6.19	5.70	14
15							6.96	7.20	7.56	5.77	6.13	5.71	15
16							6.98	7.21	7.57	5.77	6.10	5.68	16
17							6.99	7.21	7.57	5.79	6.09	5.66	17
18						6.52	6.98	7.21	7.57	5.81	6.08	5.53	18
19						6.53	6.98	7.22	7.57	5.81	6.08	5.53	19
20						6.55	6.99	7.24	7.57	5.85	6.06	5.45	20
21						6.56	7.01	7.24	7.57	5.86	6.02	5.35	21
22						6.57	7.02	7.26	7.58	5.89	6.00	5.28	22
23						6.58	7.02	7.26	7.58	5.93	5.95	5.23	23
24						6.58	7.04	7.28	7.57	5.95	5.92	5.18	24
25						6.60	7.06	7.30	7.43	5.97	5.90	5.12	25
26						6.64	7.09	7.32	7.13	5.99	5.88	5.11	26
27						6.67	7.11	7.34	6.87	6.02	5.88	5.09	27
28						6.70	7.13	7.35	6.88	6.05	5.88	5.08	28
29						6.72	7.14	7.36	6.86	6.07	5.89	5.08	29
30						6.77	7.16	7.37	6.47	6.09	5.89	5.06	30
31							7.20	7.37		6.11		5.09	31

-MONTHLY SUMMARY-

MEAN							6.96	7.27	7.34	5.95	6.09	5.48	MEAN
INST							6.78	7.18	6.44	5.76	5.87	5.05	INST
MAX							(1)	(12)	(30)	(14)	(30)	(24)	MAX
INST							7.22	7.34	7.36	6.44	6.21	5.77	INST
MIN							(31)	(6)	(24)	(1)	(10)	(1)	MIN

ENVIRONMENTAL UNITARIO  
TOWN OF PEEL  
REGIONAL MUNICIPALITY OF PEEL  
OBSERVATION WELL 168  
TOWNSHIP OF CHINGWAGLESTY  
MSE 2  
LOT 15  
WELL REC #: 4401205  
UTM CO-ORD: 4-17 E547150 N4844050  
LAT & LONG: 43-45NORTH 79-48WEST  
WELL METHOD: A35 RECORDER  
WELL COMPLET: MAR 4 1966  
MEASURE PT: 34.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 816 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOP SOIL 1; SANDY CLAY, UDD BIT OF GRAVEL 29; SAND, CLAY AND SOME GRAVEL 35; SAND AND GRAVEL 47; FINE SAND, AND GRAVEL, UDD BIT OF CLAY 51; CLAY, SAND, GRAVEL 55; SAND, GRAVEL AND UDD BIT OF CLAY 60.  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1977 DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						24.11	24.64	25.06	25.35	25.56	25.62	25.44	1
2						24.23	24.77	25.13	25.36	25.53	25.60	25.45	2
3						24.36	24.76	25.11	25.38	25.57	25.60	25.55	3
4					24.30	24.38	24.73	25.14	25.34	25.54	25.60	25.57	4
5					24.21	24.40	24.74	25.13	25.31	25.59	25.68	25.59	5
6					24.25	24.41	24.74	25.15	25.39	25.56	25.66	25.58	6
7					24.33	24.41	24.77	25.14	25.40	25.62	25.57	25.48	7
8					24.22	24.40	24.82	25.14	25.40	25.61	25.53	25.48	8
9					24.28	24.39	24.91	25.19	25.29	25.41	25.58	25.45	9
10					24.27	24.44	24.94	25.14	25.34	25.39	25.54	25.41	10
11					24.28	24.39	24.86	25.20	25.45	25.53	25.47		11
12					24.22	24.39	24.81	25.20	25.44	25.47	25.55		12
13					24.19	24.46	24.91	25.17	25.35	25.52	25.71		13
14					24.21	24.47	24.97	25.21	25.41	25.63	25.69	25.46	14
15					24.26	24.51	24.94	25.27	25.54	25.54	25.60	25.50	15
16					24.26	24.50	24.97	25.17	25.48	25.43	25.48	25.55	16
17					24.19	24.52	24.95	25.15	25.43	25.47	25.48	25.55	17
18					24.17	24.52	24.98	25.24	25.40	25.45	25.49	25.45	18
19					24.22	24.53	24.95	25.26	25.41	25.42	25.63	25.40	19
20					24.24	24.53	24.96	25.27	25.42	25.52	25.73	25.40	20
21					24.22	24.60	24.99	25.22	25.54	25.59	25.59	25.38	21
22					24.23	24.63	25.05	25.20	25.58	25.58	25.65	25.37	22
23					24.25	24.64	25.02	25.27	25.56	25.62	25.67	25.42	23
24					24.27	24.58	24.94	25.31	25.54	25.67	25.52	25.39	24
25					24.23	24.54	24.92	25.34	25.47	25.60	25.58	25.27	25
26					24.21	24.61	25.08	25.31	25.44	25.54	25.41	25.35	26
27					24.17	24.64	25.11	25.29	25.43	25.49	25.54	25.36	27
28					24.13	24.60	25.08	25.33	25.52	25.52	25.59	25.38	28
29					24.26	24.59	25.01	25.34	25.59	25.61	25.75	25.31	29
30					24.29	24.66	25.02	25.36	25.57	25.63	25.69	25.31	30
31					24.22		24.99	25.35		25.64		25.34	31
-MONTHLY SUMMARY-													
MEAN					24.48	24.91	25.22	25.44	25.55	25.59			MEAN
INST						24.10	24.54	24.97	25.25	25.34	25.38		INST
MAX						( 1 )	( 1 )	( 9 )	( 10 )	( 26 )			MAX
INST						24.69	25.13	25.37	25.61	25.69	25.80		INST
MIN						(30)	(27)	(30)	(24)	(24)	(24)		MIN

ENVIRONMENTAL UNITARIO  
TOWN OF PEEL  
REGIONAL MUNICIPALITY OF PEEL  
OBSERVATION WELL 065  
TOWNSHIP OF TORONTO  
R 3 C1H  
LOT 13  
WELL REC #: 4902206  
UTM CO-ORD: 4-17 E609543 N4820409  
LAT & LONG: 43-32NORTH 79-39WEST  
WELL METHOD: A35 RECORDER  
WELL COMPLET: JUN 4 1954  
MEASURE PT: 10.6 FEET ABOVE GROUND SURFACE  
GND ELEV: 560 FEET ABOVE SEA LEVEL  
WELL TYPE: DLG  
WELL LOG: SAND AND GRAVEL 27; RED SHALE 31.  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SHALE  
QUALITY: FRESH

1977 DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					24.19	24.14	24.46	24.57	24.47	24.36	24.09		1
2				24.56	24.16	24.14	24.43	24.36	24.48	24.30	24.10		2
3				24.57	24.13	24.16	24.43	24.36	24.49	24.27	24.11		3
4				24.57	24.13	24.17	24.42	24.34	24.50	24.25	24.13		4
5				24.54	24.11	24.18	24.42	24.34	24.50	24.24	24.15		5
6				24.53	24.10	24.18	24.43	24.33	24.52	24.24	24.16		6
7				24.53	24.08	24.18	24.44	24.33	24.54	24.23	24.16		7
8				24.52	24.07	24.19	24.45	24.32	24.55	24.21	24.10		8
9				24.52	24.07	24.22	24.45	24.32	24.55	24.18	24.06		9
10				24.50	24.07	24.24	24.44	24.31	24.57	24.15	24.05		10
11				24.49	24.08	24.25	24.44	24.27	24.60	24.12	24.03		11
12				24.49	24.08	24.26	24.45	24.25	24.61	24.08	24.03		12
13				24.47	24.09	24.29	24.45	24.26	24.63	24.07	24.03		13
14				24.45	24.09	24.34	24.44	24.27	24.65	24.05	24.01		14
15				24.45	24.09	24.36	24.44	24.29	24.67	24.02	23.99		15
16				24.44	24.09	24.36	24.43	24.30	24.68	24.02	23.97		16
17				24.44	24.09	24.37	24.43	24.31	24.69	24.01	23.95	23.68	17
18				24.43	24.08	24.38	24.43	24.32	24.71	24.01	23.94	23.63	18
19				24.43	24.08	24.39	24.43	24.34	24.71	24.01	23.90	23.51	19
20				24.42	24.08	24.39	24.44	24.34	24.73	24.01	23.96	23.58	20
21				24.42	24.09	24.39	24.45	24.35	24.75	24.02	23.94	23.51	21
22				24.33	24.10	24.40	24.42	24.36	24.77	24.04	23.96	23.42	22
23				24.23	24.11	24.41	24.42	24.37	24.78	24.05	23.95	23.17	23
24				24.22	24.14	24.43	24.43	24.38	24.78	24.04	23.94	23.08	24
25				24.22	24.13	24.44	24.43	24.40	24.67	24.04	23.93	22.98	25
26				24.21	24.12	24.44	24.41	24.41	24.52	24.04	23.93	22.90	26
27				24.20	24.12	24.45	24.39	24.41	24.43	24.04	23.95	22.84	27
28				24.22	24.11	24.45	24.40	24.42	24.40	24.05	23.97	22.80	28
29				24.22	24.12	24.45	24.39	24.44	24.39	24.06		22.74	29
30				24.21	24.14	24.46	24.39	24.45	24.37	24.07		22.70	30
31					24.14		24.38	24.46		24.08		22.67	31
-MONTHLY SUMMARY-													
MEAN					24.11	24.32	24.43	24.35	24.59	24.11			MEAN
INST					24.06	24.13	24.38	24.25	24.37	24.00			INST
MAX					(10)	( 1 )	(31)	(12)	(30)	(18)			MAX
INST					24.20	24.46	24.47	24.47	24.78	24.37			INST
MIN					( 1 )	(30)	( 1 )	(31)	(25)	( 1 )			MIN



ENVIRONMENT ONTARIO  
TORONTO  
SIMCOE COUNTY

OBSERVATION WELL 373  
VILLAGE OF WASAGA BEACH

CUNC. -

LOT -

WELL REC #1 5709214  
UTM CO-ORD: 7-17 E578250 N4931025  
LAT & LONG: 44-32NORTH 80-01WEST

REC METHOD: A35 RECORDER  
REC COMMD: OCT 31 1972  
MEASURE PT: 4.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 590 FEET ABOVE SEA LEVEL  
WELL TYPE: UNILLED  
WELL LOG: FINE SAND 22; SAND AND GRAVEL 30; GREY CLAY 67; FINE SAND 93; CLAY 96; FINE SAND 101; MEDIUM SAND 119; SAND WITH STREAKS OF CLAY 130; CLAY AND SILT 168; FINE SAND 170; MEDIUM SAND 180; SAND AND GRAVEL 194; GREY CLAY 200.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 170 FEET  
LENGTH OF SCREEN: 24 FEET  
DEPTH OF WELL: 194 FEET

PUMP RATE: 450 IGPM  
SPEC. CAP: 70.4 IGPM/FT  
AQUIFER: SAND  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.49			5.20	5.19	5.46	5.41	5.92	5.43	5.46	5.65	5.27	1
2	5.64			5.21	5.14	5.43	5.54	5.95	5.47	5.31	5.57	4.98	2
3	5.63			4.98	5.27	5.49	5.77	5.94	5.52	5.21	5.59	5.08	3
4	5.56			5.35	5.30	5.52	5.64	5.87	5.62	5.23	5.50	5.24	4
5	5.64			4.94	5.23	5.52	5.63	5.83	5.54	5.23	5.68	5.53	5
6	5.62			4.89	5.13	5.46	5.62	5.76	5.54	5.16	5.63	5.31	6
7	5.48			4.96	5.24	5.36	5.54	5.83	5.63	5.41	5.66	5.22	7
8	5.64			4.96	5.12	5.41	5.50	5.70	5.59	5.69	5.62	5.53	8
9	5.67			5.09	5.25	5.48	5.57	5.72	5.42	5.22	5.63	5.32	9
10	5.70			5.19	5.24	5.52	5.75	5.72	5.10	5.27	5.41	5.37	10
11	5.49			5.12	5.29	5.60	5.69	5.61	5.42	5.32	5.19	5.42	11
12	5.62			5.12	5.27	5.62	5.61	5.59	5.47	5.11	5.41	5.35	12
13	5.65			5.07	5.31	5.64	5.56	5.58	5.43	5.34	5.51	5.38	13
14	5.65			5.13	5.43	5.62	5.71	5.61	5.29	5.35	5.44	5.32	14
15	5.54			5.18	5.52	5.64	5.68	5.63	5.36	5.26	5.42	5.33	15
16	5.52			5.17	5.51	5.69	5.72	5.69	5.59	5.31	5.33	5.52	16
17	5.54			5.20	5.44	5.57	5.88	5.35	5.46	5.31	5.23	5.81	17
18	5.59			5.24	5.43	5.57	5.83	5.35	5.41	5.40	5.15	5.85	18
19	5.58			5.21	5.45	5.55	5.80	5.49	5.59	5.40	5.33	5.61	19
20	5.61			5.24	5.50	5.52	5.74	5.51	5.57	5.39	5.71	5.69	20
21	5.63			5.21	5.66	5.46	5.74	5.53	5.48	5.37	5.13	5.29	21
22	5.71			5.11	5.86	5.50	5.90	5.34	5.49	5.40	5.25	5.21	22
23				5.18	5.88	5.59	5.96	5.35	5.53	5.67	5.47	5.21	23
24				5.12	5.68	5.54	6.04	5.44	5.72	5.62	5.18	5.55	24
25				5.09	5.59	5.49	5.89	5.55	5.64	5.53	5.35	5.01	25
26				5.09	5.58	5.57	5.88	5.61	5.35	5.39	5.09	5.06	26
27				5.05	5.54	5.59	6.02	5.57	5.19	5.41	5.42	5.19	27
28				5.08	5.58	5.57	6.08	5.55	5.22	5.50	5.44	5.23	28
29				5.15	5.76	5.27	6.00	5.47	5.30	5.37	5.39	5.19	29
30			5.15	5.17	5.68	5.49	5.97	5.53	5.28	5.62	5.44	5.33	30
31			5.09		5.61		6.11	5.55		5.77		5.43	31
-MONTHLY SUMMARY-													
MEAN				5.12	5.44	5.52	5.77	5.62	5.46	5.39	5.43	5.35	MEAN
INST				4.36	4.81	5.05	5.01	4.98	4.91	4.96	4.88	4.58	INST
MAX				( 7 )	( 8 )	( 29 )	( 6 )	( 18 )	( 10 )	( 6 )	( 21 )	( 25 )	MAX
INST				5.53	6.03	5.82	6.22	6.12	5.89	5.91	6.11	5.99	INST
MIN				( 4 )	( 22 )	( 16 )	( 28 )	( 1 )	( 24 )	( 8 )	( 20 )	( 17 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
VICTORIA COUNTY

OBSERVATION WELL 375  
TOWNSHIP OF MARIPOSA

CONC. 15

LUT 6

WELL REC #: 6403790  
UTM CO-ORD: 7-17 E660200 N4417700  
LAT & LONG: 44-24NORTH 78-59WEST

REC METHOD: 1F1 TYPE RECORDER  
REC COMMD: NOV 9 1972  
MEASURE PT: 3.05 FEET ABOVE GROUND SURFACE  
GND ELEV: 927 FEET ABOVE SEA LEVEL  
WELL TYPE: UNILLED  
WELL LOG: PACKED BROWN CLAY AND STONES 8; LOOSE BROWN GRAVEL 18; LIMESTONE 38.

DIAMETER OF WELL: 8 INCHES  
LENGTH OF CASING: 18 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 38 FEET

PUMP RATE: 40 IGPM  
SPEC. CAP: 5.71 IGPM/FT  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.53	10.06	10.12			9.97	10.20	10.75	10.33	9.88	9.68	8.40	1
2	9.37	10.02	10.11			9.67	10.35	11.14	10.49	9.91	9.72	8.28	2
3	9.50	9.99		7.12		9.97	10.29	10.63	10.05	9.61	9.73	8.34	3
4	9.42	10.05	10.20			9.83	10.08	10.99	10.15	9.67	9.66	8.34	4
5	9.34	10.22	9.86			9.84	10.64	10.76	10.45	9.91	9.89	8.32	5
6	9.58	10.18	9.81				10.31	10.98	10.08	9.56	9.65	8.36	6
7	9.31	10.04	9.83		8.73		10.07	10.55	10.42	9.97	9.95	8.45	7
8	9.58	10.19	9.78		8.93		10.47	10.97	10.34	9.66	9.61	8.28	8
9	9.46	10.14	9.46		8.76		10.29		10.30	9.40	9.50		9
10	9.45	10.22	8.87		9.06	10.00	10.17		10.52	9.53	9.47	8.46	10
11	9.53	10.21	8.39		9.09	9.94	10.58		10.29	9.47	9.22		11
12	9.45	10.20	8.08		9.03	10.16	10.17	10.69	10.55	9.21	9.06		12
13	9.69	10.08	7.36		9.18	9.94	10.35	10.88	10.56	9.49	9.30		13
14	9.49	10.15	7.10		9.03	10.29	10.29	11.03	10.34	9.30	9.07		14
15	9.72	10.24	7.05		9.34	10.40	10.54	10.66	10.61		9.21		15
16	9.55	10.21	6.99		9.45	10.29	10.19	10.97	10.23		8.97		16
17	9.70	10.24	7.05		9.26	10.28	10.76	10.61	10.61		9.00		17
18	9.77	10.21	7.21		9.36	10.14	10.43	10.49	10.49		8.87		18
19	9.75	10.23	7.15		9.18	10.19	10.64	10.78	10.32		8.77		19
20	9.60	10.22	7.14		9.45	9.95	10.84	10.38	10.72	9.51	8.82		20
21	9.67	10.25	7.30		9.33	10.30	10.80	10.70	10.29	9.45	8.83		21
22	9.70	10.22	7.26		9.52	10.19	10.60	10.58	10.59	9.53	8.80		22
23	9.86	10.22	7.32		9.63	10.23	10.91	10.28	10.44	9.51	8.68		23
24	9.90	10.23			9.51	10.31	10.71	10.68	10.30	9.61	8.72		24
25	9.72	10.14			9.73	10.33	10.68	10.50	10.59	9.60	8.57		25
26	9.42	10.14			9.56	10.21	10.99	10.61	10.07	9.56	8.69		26
27	9.84	10.16			9.87	10.51	11.02	10.46	10.38	9.64	8.58		27
28	9.62	10.10	7.40		9.87	10.59	11.38	10.34	10.22	9.65	8.64		28
29	9.95				9.91	10.07	10.85	10.62	10.00	9.62	8.64		29
30	9.90				9.92	10.40	11.17	10.66	10.49	9.72	8.73		30
31	9.67				9.96		10.84	10.61		9.70			31
-MONTHLY SUMMARY-													
MEAN	9.65	10.16					10.57		10.37		9.14		MEAN
INST	9.22	9.79					10.02		9.94		8.39		INST
MAX	( 1 )	( 1 )					( 4 )		( 29 )		( 26 )		MAX
INST	10.53	10.05					11.44		10.96		10.14		INST
MIN	( 29 )	( 21 )					( 29 )		( 13 )		( 5 )		MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 344

TOWNSHIP OF E. GWILLIMBURY

1E

WELL REC #: 6910968  
UTM CO-ORD: Z-17 E021475 N488965  
LAT & LONG: 44-09N04W 79-29W05E

WELL METHOD: A35 RECORDER  
WELL COMPLED: MAY 26 1971  
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 72.5 FEET ABOVE SEA LEVEL  
WELL TYPE: UG  
WELL LOG: OVERBURDEN (SAND) 11.

DIAMETER OF WELL: 36 INCHES  
LENGTH OF CASING: 11 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 11 FEET

PUMP RATE: N/A.  
SPEC. CAP: N/A.  
AQUIFER: SAND  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.24	2.54	4.68		2.89	5.84	8.42	7.93		0.46	1.84	0.20	1
2	4.38	2.34	4.88		2.94	5.85	8.47	7.51		0.19	1.88	0.20	2
3	4.46	2.31	4.97		3.11	5.88	8.53	7.11		0.23	1.91	0.24	3
4	4.53				3.24	5.91	8.59	6.90		0.35	1.91	0.28	4
5	4.59				3.31	5.95	8.64	6.74		0.48	1.95	0.35	5
6	4.58				3.40	6.00	8.68	6.58		0.63	1.97	0.36	6
7	4.55				3.56	6.05	8.72	5.95		0.85	1.79	0.58	7
8	4.46				3.68	6.12	8.76	5.63		0.89	0.76	0.47	8
9	4.36				3.80	6.21	8.80	5.44		0.27	0.75	0.49	9
10	4.30				3.92	6.31	8.84	5.32		0.24	0.52		10
11	4.27	1.57			4.06	6.44	8.88	5.08		0.31	0.24		11
12		1.50			4.20	6.56	8.92	4.89		0.34	0.27		12
13		2.05			4.33	6.70	8.95	4.78		0.42	0.36		13
14		2.88			4.45	6.86	8.99	4.73		0.54	0.45		14
15		2.70			4.58	7.03	9.01	4.67		0.66	0.50		15
16	3.74	2.57			4.72	7.24	8.73			0.41	0.44		16
17	3.72	2.47			4.87	7.40	8.29			0.45	0.32		17
18	3.64	2.38			5.01	7.53	7.94			0.57	0.22		18
19	3.57	2.27			5.13	7.63	7.59			0.53	0.20		19
20	3.48	2.10		1.90	5.26	7.71	7.16			0.61	0.24		20
21	3.35	1.95		1.94	5.39	7.79	6.87			0.75	0.25		21
22	3.20	1.82		1.85	5.53	7.86	6.75			0.89	0.29		22
23	3.12	1.70		1.38	5.65	7.93	6.75			1.10	0.34		23
24	3.06	3.11		1.44	5.74	8.01	6.82			1.20	0.22		24
25	2.99	5.47		1.31	5.73	8.08	6.93			1.25	0.23		25
26	2.94	4.74		1.49	5.66	8.14	7.13			1.29	0.21		26
27	2.87	4.93		1.78	5.61	8.21	7.42			1.36	0.26		27
28	2.80	5.05		2.14	5.61	8.26	7.65			1.47	0.31		28
29	2.73			2.42	5.63	8.31	7.80			1.58	0.37		29
30	2.65			2.65	5.69	8.36	7.94		0.76	1.68	0.40		30
31	2.61				5.78		8.06			1.76			31

MONTHLY SUMMARY

MEAN					4.60	7.07	8.10			0.77	0.71		MEAN
INST					2.80	5.83	6.74			0.19	0.19		INST
MAX					( 1 )	( 1 )	( 23 )			( 2 )	( 19 )		MAX
INST					5.83	8.39	9.02			1.81	1.98		INST
MIN					( 31 )	( 30 )	( 15 )			( 31 )	( 5 )		MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 342

TOWNSHIP OF KING

05 2

LOT 19

WELL REC #: 6902665  
UTM CO-ORD: Z-17 E016574 N4884788  
LAT & LONG: 44-07N04W 79-33W05E

WELL METHOD: A35 RECORDER  
WELL COMPLED: MAY 26 1971  
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 72.2 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: CLAY 40; LIGHT SAND AND CLAY 205; HEAVY RED SAND 297; QUICKSAND AND GRAVEL 305.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 299 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 305 FEET

PUMP RATE: 75 IGPM  
SPEC. CAP: 0.68 IGPM/FT  
AQUIFER: SAND  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	30.96	30.91	30.78	31.69	31.10	32.63	32.79	31.65					1
2	30.82	31.31	31.06	31.49	31.38	32.29	33.10	32.08					2
3	30.94	31.30	31.31	31.01	31.65	32.32	33.34	32.38					3
4	31.19	31.46	30.48	30.75	31.31	32.56	33.28	32.66					4
5	31.45	31.32	31.35	30.46	31.54	31.89	33.68	32.77					5
6	31.19	31.34	30.42	30.71	31.24	32.09	33.74	33.12					6
7	31.07	31.51	31.10	31.37	31.25	32.01	33.75						7
8	31.23	31.60	30.58	31.34	31.35	32.12	33.67						8
9	30.56	31.50	27.02	30.74	30.90	32.19	33.95	32.82					9
10	30.27	31.55	29.47	30.52	30.81	32.87	34.65	32.92					10
11	30.56	31.67	30.48	30.15	31.04	33.45	33.94						11
12	30.99	31.80	30.88	30.41	31.54	32.81	33.40						12
13	31.19	31.13	30.54	31.11	31.50	32.77	31.20						13
14	31.09	31.15	30.63	31.16	31.50	33.27	32.58						14
15	31.30	31.37	30.85	31.35	31.53	33.57	33.19						15
16	31.14	31.41	31.25	31.36	31.53	33.49	33.91						16
17	31.09	31.24	31.30	30.84	31.50	33.27	34.96						17
18	31.15	31.23	31.14	30.86	31.60	33.42	34.29						18
19	31.19	31.42	31.18	31.18	31.92	32.62	33.22						19
20	31.65	31.21	30.64	30.98	32.13	32.24	32.52						20
21	31.50	31.00	30.50	31.60	32.00	32.40	32.19						21
22	31.61	31.01	30.98	31.28	31.98	32.51	31.16						22
23	30.96	31.29	31.45	31.57	31.80	32.69	30.98						23
24	30.54	31.06	31.54	30.95	32.07	32.85	31.08						24
25	31.15	31.19	31.81	30.70	32.42	33.03	29.85						25
26	31.18	31.37	31.69	31.31	32.20	32.23	30.50						26
27	31.51	30.44	30.94	31.33	32.40	32.55	31.51						27
28	31.63	30.60	30.66	31.67	33.11	32.75	32.06						28
29	31.06		30.64	31.74	32.15	32.66	32.18						29
30	30.86		30.81	31.45	32.44	32.67	31.93						30
31	30.55		31.45		33.09		31.81						31

MONTHLY SUMMARY

MEAN	31.08	31.27	30.86	31.16	31.74	32.67	32.72						MEAN
INST	28.95	29.17	17.50	28.75	29.30	30.04	28.19						INST
MAX	( 11 )	( 27 )	( 9 )	( 11 )	( 4 )	( 5 )	( 12 )						MAX
INST	32.45	32.45	32.54	32.39	33.43	34.52	35.26						INST
MIN	( 28 )	( 12 )	( 28 )	( 30 )	( 28 )	( 18 )	( 16 )						MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 343  
TOWNSHIP OF KING  
CONC. 3 LUT 9

WELL REC #: 6910967  
UTM CO-ORD: Z-17 E615075 N4880425  
LAT & LONG: 44-04NORTH 79-34WEST

WELL METHOD: A35 RECORDER  
WELL COMPLE: MAY 26 1971  
MEASURE PT: 2.5 FEET ABOVE GROUND SURFACE  
GND ELEV: 720 FEET ABOVE SEA LEVEL  
WELL TYPE: UUG  
WELL LOG: PEAT (MUCK) 31.5.

DIAMETER OF WELL: 36 INCHES  
LENGTH OF CASING: 11.5 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 11.5 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: PEAT  
QUALITY: FRESH

1977 DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	LAY
1		5.46	4.77	3.45	3.81	4.68	4.88	4.43	3.48				1
2		5.47	4.68	3.47	3.83	4.67	4.84	4.44	3.52				2
3		5.48	4.61	3.48	3.86	4.67	4.82	4.44	3.56				3
4		5.49	4.52	3.50	3.89	4.67	4.80	4.45	3.59				4
5		5.52	3.91	3.49	3.91	4.65	4.80	4.45	3.62				5
6	4.89	5.55	2.55	3.47	3.93	4.65	4.80	4.37	3.66				6
7	4.91	5.59	2.62	3.48	3.96	4.64	4.74	4.24	3.70				7
8	4.93	5.62	2.90	3.51	4.00	4.64	4.66	4.13	3.73				8
9	4.95	5.64	2.73	3.55	4.04	4.64	4.58	4.04	3.77				9
10	4.97	5.65	2.10	3.58	4.09	4.64	4.52	3.98	3.79				10
11	5.00	5.65	2.25	3.60	4.12	4.67	4.47	3.92	3.82				11
12	5.03	5.62	2.64	3.64	4.16	4.70	4.44	3.89	3.85				12
13	5.07	5.62	2.64	3.67	4.20	4.74	4.36	3.86	3.89				13
14	5.09	5.60	2.89	3.68	4.23	4.77	4.27	3.86	3.90				14
15	5.10	5.59	3.05	3.71	4.27	4.80	4.22	3.87	3.90				15
16	5.13	5.58	3.26	3.72	4.31	4.84	4.17	3.86	3.90				16
17	5.16	5.59	3.16	3.74	4.34	4.87	4.13	2.40	3.87				17
18	5.18	5.59	3.26	3.77	4.37	4.89	4.11	2.32	3.80				18
19	5.21	5.61	3.41	3.79	4.41	4.90	4.08	2.57	3.74				19
20	5.22	5.65	3.46	3.80	4.45	4.91	4.06	2.78	3.70				20
21	5.25	5.65	3.51	3.81	4.47	4.92	4.05	2.92	3.63				21
22	5.27	5.66	3.53	3.82	4.48	4.94	4.06	2.96	3.53				22
23	5.29	5.69	3.54	3.82	4.50	4.95	4.09	2.99	3.47				23
24	5.31	5.69	3.54	3.79	4.53	4.98	4.13	3.04	3.44				24
25	5.33	5.58	3.54	3.77	4.55	5.00	4.16	3.06					25
26	5.35	5.34	3.54	3.75	4.57	5.01	4.19	3.10					26
27	5.37	5.11	3.52	3.73	4.59	5.00	4.24	3.17					27
28	5.39	4.91	3.50	3.74	4.61	5.00	4.29	3.24					28
29	5.41		3.47	3.76	4.62	4.98	4.34	3.30					29
30	5.43		3.45	3.78	4.65	4.93	4.38	3.37					30
31			3.45		4.68		4.42	3.43					31
-MONTHLY SUMMARY-													
MEAN		5.54	3.35	3.66	4.27	4.81	4.39	3.58					MEAN
INST		4.83	2.02	3.44	3.80	4.63	4.05	2.14					INST
MAX		(28)	(10)	(1)	(1)	(9)	(21)	(17)					MAX
INST		5.70	4.83	3.82	4.68	5.01	4.90	4.46					INST
MIN		(23)	(1)	(22)	(31)	(28)	(1)	(4)					MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 106  
TOWNSHIP OF MARKHAM  
CONC. 3 LUT 6

WELL REC #: 6911674  
UTM CO-ORD: Z-17 E632292 N4854345  
LAT & LONG: 43-50NORTH 79-21WEST

WELL METHOD: IFI TYPE RECORDER  
WELL COMPLE: SEP 15 1963  
MEASURE PT: 1.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 605 FEET ABOVE SEA LEVEL  
WELL TYPE: UNILLED  
WELL LOG: SANDY CLAY, GRAVEL 40; DIRTY SILT 50; DIRTY SAND AND GRAVEL 60; SAND AND GRAVEL 70; SAND, GRAVEL AND BOULDERS 85; FINE SAND 99; HARD PACKED SAND, GRAVEL 104.

DIAMETER OF WELL: 8 INCHES  
LENGTH OF CASING: 86.5 FEET  
LENGTH OF SCREEN: 17.5 FEET  
DEPTH OF WELL: 104 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1977 DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	LAY
1		58.18	57.51	56.48	56.67	55.74	55.63	54.65	54.13	53.54	52.82	51.91	1
2		58.21	57.53	56.30	56.59	55.76	55.60	54.65	54.11	53.52	52.81	51.98	2
3		58.05	57.46	56.40	56.56	55.80	55.51	54.63	54.09	53.50	52.80	51.97	3
4		58.06	57.34	56.23	56.46	55.77	55.44	54.61	54.05	53.46	52.82	51.98	4
5		58.06	57.35	56.11	56.36	55.70	55.38	54.58	54.01	53.41	52.81	51.91	5
6		58.10	57.35	56.50	56.33	55.66	55.33	54.57	54.03	53.39	52.75	51.83	6
7	58.83	58.10	57.32	57.00	56.34	55.64	55.31	54.53	54.03	53.39	52.67	51.87	7
8	58.84	58.05	57.28	57.29		55.64	55.29		54.00	53.26	52.66		8
9	58.81	57.98	57.22	57.43		55.67	55.28		53.93	53.21	52.65		9
10	58.01	57.98	57.23	57.52	56.17	55.71	55.25		53.93	53.23	52.57		10
11	58.70	57.93	57.22	57.63	56.16		55.19		53.97	53.16	52.54		11
12	58.72	57.88	57.11	58.02	56.10		55.15		53.93	53.17	52.60		12
13	58.70	57.78	57.03	58.31	56.09		55.14		53.87	53.20	52.60		13
14	58.81	57.83	57.04	59.13	56.07		55.14		53.92	53.11	52.50		14
15	58.58	57.86	56.98	59.63	56.08	55.56	55.09		53.97	53.04	52.41		15
16	58.57	57.84	56.95	59.37	56.06	55.83	55.07		53.87	53.02	52.38		16
17	58.50	57.79	56.93	59.33	56.02	55.88	55.02		53.82	52.99	52.35		17
18	58.49	57.76	56.80	59.39	55.99	55.84	54.97		53.78	52.97	52.35		18
19	58.45	57.73	56.90	59.45	55.99	55.78	54.94	54.35	53.76	52.98	52.43		19
20	58.45	57.70	56.81	59.51	55.99	55.82	54.89	54.31		53.00	52.38		20
21	58.44	57.69	56.82	59.43	55.97	55.96	54.87	54.27		52.97	52.32		21
22	58.46	57.63	56.75	59.01	55.96	56.02	54.88	54.24		52.97	52.28		22
23	58.42	57.70	56.73	58.27	55.95	56.09	54.83	54.25	53.91	52.97	52.23	51.13	23
24	58.34	57.54	56.71	57.79	55.92	56.04	54.77	54.26	53.83		52.18	51.04	24
25	58.28	57.54	56.68	57.49	55.89	55.97	54.73	54.27	53.71		52.10	50.96	25
26	58.21	57.60	56.65	57.26	55.87	55.90	54.81	54.23	53.68		52.10	50.94	26
27	58.22	57.50	56.57	57.04	55.83	55.91	54.80	54.19	53.66		52.18	50.88	27
28	58.18	57.54	56.50	56.95	55.79	55.97	54.75	54.18	53.63	52.91	52.20	50.83	28
29	58.23		56.60	56.87	55.84	55.94	54.70	54.17	53.61	52.91	52.20	50.80	29
30	58.20		56.52	56.77	55.82	55.87	54.69	54.16		52.89	52.08	50.79	30
31	58.16		56.47		55.77		54.67	54.15		52.84			31
-MONTHLY SUMMARY-													
MEAN		57.84	56.98	57.80			55.07				52.46		MEAN
INST		57.44	56.44	56.07			54.66				51.97		INST
MAX		(27)	(30)	(5)			(31)				(30)		MAX
INST		58.24	57.54	59.81			55.71				52.85		INST
MIN		(2)	(1)	(15)			(1)				(5)		MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 305

TOWNSHIP OF MARKHAM

CONC. 9

LOT 26

WELL REC #1 6910969  
UTM CO-ORDS: Z=17 E642160 N4866300  
LAT & LONG: 43-56NORTH 79-14WEST

REC METHOD: 'F' TYPE RECORDER  
REC COMMD: JUNE 1970  
MEASURE PT: 0.5 FEET ABOVE GROUND SURFACE  
GND ELEV: 778 FEET ABOVE SEA LEVEL  
WELL TYPE: DIG  
WELL LOG: OVERBURDEN TILL 20.

DIAMETER OF WELL: 48 INCHES  
LENGTH OF CASING: 20 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 20 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: TILL  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			3.67		2.64	4.39	4.68	4.70	4.53	2.70	3.75	2.36	1
2			3.61		2.70	4.38	4.70	4.72	3.69	2.29	3.77	2.21	2
3			3.55		2.82	4.38	4.72	4.73	2.56	2.57	3.79	2.43	3
4		5.57	3.39		2.93		4.74	4.72	2.66	2.75	3.81	2.57	4
5		5.54	2.69		3.01		4.75	4.67	2.85	2.86	3.86	2.67	5
6		5.52	2.27	1.93	3.09		4.76	4.61	3.06	2.91	3.89	2.72	6
7		5.50	2.20	2.15	3.28	4.45	4.68	4.60	3.22	2.96	3.78	2.76	7
8		5.48	2.23	2.25	3.43	4.47	4.62		3.36	2.98	2.66	2.76	8
9		5.46	1.99	2.34	3.52	4.49	4.61		3.47	2.78	2.73	2.72	9
10		5.43	1.88	2.33	3.61	4.51	4.62		3.58	2.47	2.67	2.73	10
11		5.40	1.90	2.34	3.70	4.54	4.65		3.71	2.75	2.54		11
12		5.35	1.84	2.36	3.80	4.57	4.66		3.89	2.86	2.70		12
13		5.25	1.05	2.36	3.85	4.59	4.67		3.99	2.90	2.77		13
14		5.16	1.48	2.42	3.94	4.60	4.70		3.84	2.96	2.81		14
15		5.11	1.68	2.50	4.06	4.62	4.52		3.67	2.98	2.84		15
16		5.07	1.78	2.57	4.13	4.64	3.91		3.74	3.02	2.80		16
17		5.04	1.94	2.65	4.17	4.65	3.65		3.56	3.02	2.48		17
18		4.99	2.04	2.69	4.19	4.63	3.70		3.24	3.07	2.54		18
19		4.95	2.13	2.76	4.08	4.60	3.84	4.22	3.09	3.12	2.99		19
20		4.93	2.15	2.83	4.07	4.61	4.01	4.28	3.00	3.14	2.67		20
21		4.92	2.17	2.89	4.14	4.62	4.19	4.36	2.56	3.18	2.68		21
22		4.91	2.07	2.73	4.21	4.64	4.35	4.36	2.53	3.21	2.74	2.37	22
23		4.90	2.08	2.31	4.25	4.67	4.45	4.38	2.66	3.27	2.77	2.39	23
24		4.80	2.04	1.99	4.27	4.70	4.51	4.38	2.77	3.30	2.93	2.39	24
25		4.39	2.22	2.02	4.10	4.70	4.56	4.29	2.34	3.33	2.54	2.12	25
26		4.13	2.31	2.11	4.05	4.69	4.61	4.32	2.31	3.37	2.43	2.25	26
27		3.93	2.23	2.21	4.12	4.71	4.65	4.37	2.36	3.41	2.54	2.43	27
28		3.78	2.04	2.31	4.21	4.73	4.67	4.42	2.56	3.46	2.64	2.57	28
29			1.82	2.45	4.30	4.71	4.68	4.45	2.67	3.52	2.75	2.66	29
30			1.83	2.54	4.35	4.68	4.69	4.49	2.73	3.57	2.80	2.73	30
31			1.88		4.39		4.70	4.51		3.64		2.77	31
-MONTHLY SUMMARY-													
MEAN			2.20		3.79		4.49		3.14	3.04	2.93		MEAN
INST			0.73		2.61		3.64		2.12	2.12	2.40		INST
MAX			(13)		(1)		(18)		(25)	(2)	(26)		MAX
INST			3.70		4.39		4.77		4.54	3.71	3.93		INST
MIN			(1)		(31)		(6)		(1)	(31)	(7)		MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 398

TOWNSHIP OF MARKHAM

CONC. 5

LOT 14

WELL REC #1 6911700  
UTM CO-ORDS: Z=17 E635300 N4858600  
LAT & LONG: 43-52NORTH 79-19WEST

REC METHOD: 'F' TYPE RECORDER  
REC COMMD: SEP 30 1973  
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 618 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN TOPSOIL 1; BROWN SAND 15; BLUE SANDY CLAY 47; BLUECLAY, SAND AND GRAVEL 67; GREY SAND AND GRAVEL 73.

DIAMETER OF WELL: 5 INCHES  
LENGTH OF CASING: 69 FEET  
LENGTH OF SCREEN: 4 FEET  
DEPTH OF WELL: 73 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	19.06	18.73	18.23			26.39		17.92	18.04		17.70	16.43	1
2	19.11	18.77	18.35			26.44		18.00	17.66		17.75		2
3	19.07	18.60	18.33			26.54		17.99	17.45		17.75	16.56	3
4	19.02	18.63	18.16		22.06			17.99	17.58		17.77	16.82	4
5	19.05	18.61	17.41		21.66			17.96	17.64		17.82	16.46	5
6	19.03	18.71	17.57	18.94	21.62			17.83	17.78		17.77	17.24	6
7	19.02	18.71	17.80	19.07	21.73				17.60		17.62	17.53	7
8	19.11	18.61	17.79	19.17	21.74		18.04	17.80	17.88		16.66	17.66	8
9	19.14	18.55	17.56	19.23	21.76		18.13		17.87		16.81	17.55	9
10	19.47	18.48	16.87	19.24			18.23		17.87		16.90		10
11	19.13	18.48	17.23	19.47			18.22		17.96		16.51		11
12	19.14	18.60	17.48	20.25			18.17		17.99		16.90		12
13	19.11	18.45	16.70	20.27			18.22		17.94		17.10		13
14	18.98	18.48	17.14	20.33			18.29		17.80				14
15	18.90	18.56	17.60	19.61	25.56		18.22		17.88				15
16	18.69	18.65	17.96	20.13	25.40		17.77		17.84				16
17	18.81	18.53	19.35	20.47			17.90		17.67				17
18	18.79	18.54	19.50	20.71			18.04		17.66				18
19	18.76	18.65	19.46	20.65			18.10	17.88	17.70		16.82		19
20	18.80	18.74	19.32	20.61			18.04	17.93		17.48	16.64		20
21	18.79	18.73	19.00	20.61			17.84	17.94		17.51	16.75		21
22	18.85	18.72	19.70	20.45			17.88	17.85	17.65	17.55	16.84	17.44	22
23	18.83	18.83	19.76	20.11			17.90	17.83	17.61	17.79	17.50		23
24	18.60	18.64	19.72	19.74			17.97	17.81	17.66	17.56	16.61	17.53	24
25	18.60	18.39	19.73	19.71			17.94	17.87		17.54	16.62	17.32	25
26	18.67	18.43	19.71	20.13			18.08	17.89		17.51	16.58	17.33	26
27	18.70	18.30	19.68	20.18			18.13	17.92		17.57	16.79	17.39	27
28	18.66	18.21		20.26			18.15	18.04		17.68	16.87	17.55	28
29	18.72						18.15	18.11		17.73	16.94	17.63	29
30	18.72						18.10	18.04		17.73	16.96	17.70	30
31	18.69				26.62		18.07	18.02		17.73			31
-MONTHLY SUMMARY-													
MEAN	18.90	18.59											MEAN
INST	18.58	18.21											INST
MAX	(28)												MAX
INST	19.24	18.90											INST
MIN	(12)	(23)											MIN



OBSERVATION WELL DATA

REGIONAL OFFICE

KINGSTON

133 Dalton St.

613-549-4000

DISTRICT OFFICES

Belleville

15 Victoria Ave.

613-962-9208

Cornwall

408 Pitt St.

613-933-7402

Ottawa

2378 Holly Lane

613-521-3450


Pembroke


1000 MacKay St.


P.O. Box 67


613-732-3643

LEGEND


- 


Regional Office
- 

District Office
- 

Recording Observation Well
- 

Number of Recording Wells in same location

2
- 

Manually Measured Well
- 

Number of Manually Measured Wells in same location

2



ENVIRONMENT ONTARIO  
TORONTO  
HASTINGS COUNTY

OBSERVATION WELL 209  
TOWNSHIP OF HUNGERFORD

CONC. 5  
LOT 1

WELL REC #1 2900582  
UTM CO-ORDS Z=18 E312982 N4918717  
LAT & LONG: 44=24NORTH 77=21WEST

REC METHOD: 'F' TYPE RECORDER  
REC COMMOD: NOV. 28 1967  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 540 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: SAND AND BOULDERS 7; LIMESTONE 71.

DIAMETER OF WELL: 6.25 INCHES  
LENGTH OF CASING: 8.5 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 71 FEET

PUMP RATE: N/A.  
SPEC. CAP: N/A.  
AQUIFER : LIMESTONE  
QUALITY : FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						33.63	37.13	40.21		38.50	40.95		1
2						34.43	37.14	40.41		38.69	40.80		2
3						33.34	37.04	40.36		38.65	40.88		3
4						33.81	36.88	40.18			40.69		4
5						34.30	37.06	39.86			40.30		5
6						34.02	36.90	40.20			40.08		6
7						34.17	36.52				40.16		7
8						34.15	36.53				40.20		8
9						34.05	36.10				40.01		9
10						33.95	35.92						10
11		39.70				33.96	36.17		39.81				11
12		39.62				33.97	36.09		39.21				12
13						33.80	36.00		39.20				13
14						33.49			38.87				14
15									38.30	38.29			15
16									38.97	38.33			16
17										39.13			17
18									39.12	39.30			18
19									38.67	39.70			19
20									38.20	40.02			20
21									38.72	40.29			21
22									39.36	40.40			22
23									39.33	40.33			23
24									39.63	40.38			24
25										40.12			25
26					33.61				39.23	39.94			26
27					33.53		39.76		39.19	40.45			27
28					33.94		39.61		39.53	40.87			28
29					33.82		39.41		39.54	40.88			29
30					33.55		39.67		39.44	40.83			30
31					33.68		40.03			40.83			31

=MONTHLY SUMMARY=

MEAN													MEAN
INST MAX													INST MAX
INST MIN													INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
HASTINGS COUNTY

OBSERVATION WELL 400  
TOWNSHIP OF SIDNEY

CONC. 5  
LOT 1

WELL REC #1 2906088  
UTM CO-ORDS Z=18 E291640 N4896980  
LAT & LONG: 44=12NORTH 77=37WEST

REC METHOD: 'F' TYPE RECORDER  
REC COMMOD: JAN. 1978  
MEASURE PT: 3.4 FEET ABOVE GROUND SURFACE  
GND ELEV: 400 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK TOPSOIL 1; BROWN SAND 3; LOOSE BROWN SAND AND FINE GRAVEL 7; BROWN SAND AND COARSE GRAVEL 50; BROWN SAND AND GRAVEL BOULDERS 60; GREY LIMESTONE 65.

DIAMETER OF WELL: 7 INCHES  
LENGTH OF CASING: 50 FEET  
LENGTH OF SCREEN: 10 FEET  
DEPTH OF WELL: 60 FEET

PUMP RATE: 140 IGPM  
SPEC. CAP: 98.6 IGPM/FT  
AQUIFER : SAND AND GRAVEL  
QUALITY : FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	51.13		53.66	52.42	48.60	48.17	49.11	51.17			51.49	49.96	1
2	51.17		53.73	52.32	48.50	48.19	49.13	51.23			51.46	49.88	2
3	51.21		53.80	52.23	48.43	48.20	49.15	51.26			51.42	49.77	3
4	51.24		53.86	52.14	48.35	48.20	49.17	51.27			51.38	49.65	4
5	51.27		53.89	52.03	48.25	48.22	49.19	51.28			51.34	49.51	5
6	51.29		53.90	51.91	48.22	48.23	49.22	51.29			51.31	49.37	6
7	51.32			51.72	48.25	48.24	49.24	51.30			51.29	49.25	7
8	51.35			51.53	48.19	48.26	49.26	51.30			51.26	49.15	8
9	51.40		53.93	51.34	48.13	48.30	49.28	51.29			51.22	49.04	9
10	51.46		53.95	51.15	48.08	48.37	49.32	51.26			51.18		10
11	51.50	52.45	53.99	50.96	48.03	48.43	49.37	51.22			51.15		11
12	51.54	52.48	54.01	50.78	47.98	48.49	49.42	51.20			51.14		12
13	51.58	52.53	54.01	50.62	47.94	48.56	49.48	51.18			51.11		13
14	51.59	52.58	53.96	50.47	47.93	48.67	49.54	51.17	51.69		51.08		14
15	51.61	52.62	53.81	50.32	47.92	48.73	49.63	51.18	51.73	52.12	51.04		15
16	51.65	52.64	53.65	50.17	47.92	48.77	49.72	51.21	51.75	52.07	51.00		16
17	51.66	52.67	53.54	50.03	47.92	48.83	49.84	51.21	51.76	52.02	50.96		17
18		52.69	53.43	49.91	47.91	48.87	49.97	51.21	51.78	51.98	50.93		18
19		52.74	53.35	49.79	47.90	48.89	50.08			51.94	50.86		19
20		52.80	53.28	49.69	47.90	48.90	50.21			51.90	50.79		20
21		52.89	53.22	49.59	47.89	48.90	50.32			51.85	50.72		21
22		53.01	53.15	49.50	47.90	48.91	50.43			51.81	50.65		22
23		53.12	53.09	49.40	47.91	48.92	50.50			51.79	50.58		23
24		53.24	53.03	49.30	47.93	48.93	50.62			51.76	50.52		24
25		53.34	52.97	49.19	47.95	48.94	50.70			51.72	50.46		25
26		53.42	52.93	49.08	48.02	48.97	50.80			51.67	50.40		26
27		53.51	52.89	48.97	48.05	48.99	50.89			51.63	50.33		27
28		53.59	52.84	48.86	48.09	49.05	50.98			51.59	50.25		28
29			52.78	48.77	48.13	49.08	51.07			51.56	50.17		29
30			52.68	48.69	48.14	49.10	51.12			51.54	50.06		30
31			52.54		48.16		51.14			51.51			31

=MONTHLY SUMMARY=

MEAN				50.43	48.08	48.64	49.93				50.92		MEAN
INST MAX				48.65 (30)	47.89 (21)	48.16 ( 1)	49.11 ( 1)				50.01 (30)		INST MAX
INST MIN				52.48 ( 1)	48.65 ( 1)	49.11 (30)	51.15 (31)				51.50 ( 1)		INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
HASTINGS COUNTY

OBSERVATION WELL 122

TOWNSHIP OF THURLLOW

CONC. 6

LOT 22

WELL REC #1 2905483  
UTM CO-ORDS 2-18 E312800 N4904950  
LAT & LONGS 44-17NORTH 77-21WEST

REC METHOD: IFI TYPE RECORDER  
REC COMMD: FEB 2 1965  
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 375 FEET ABOVE SEA LEVEL  
WELL TYPE: DIG  
WELL LOG: STONEY CLAY 30.3.

DIAMETER OF WELL: 48 INCHES  
LENGTH OF CASING: 30.3 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 30.3 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: CLAY  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				2.61	2.65	5.47	7.53	9.61		8.22	4.65		1
2				2.58	2.69	5.57	7.58	9.63		7.92	4.53		2
3				2.26	2.61	5.68	7.64	9.66	8.73	7.52	4.61		3
4				2.47	2.67	5.75	7.70	9.69	8.77	7.13	4.68		4
5				2.24	2.74	5.82	7.77	9.72	8.83		4.74		5
6				2.49	2.78	5.91	7.84	9.75	8.88		4.79		6
7				2.58	2.90	6.01	7.90	9.79	8.95		4.83		7
8			2.43	2.61	2.99	6.10	7.97	9.82	9.02		4.34		8
9				2.65	2.76	6.20	8.05	9.86	9.08		3.75		9
10				2.65	2.70	6.29	8.12	9.87	9.15		3.49		10
11		9.90		2.64	2.81	6.37	8.19	9.89	9.21		3.01		11
12		9.92		2.67	2.92	6.44	8.26	9.90	9.27		2.91		12
13		9.93		2.69	3.06	6.53	8.37	9.93	9.33		2.88		13
14		9.94		2.71	3.21	6.62	8.44	9.97	9.39		2.85		14
15		9.95		2.75	3.34	6.71	8.51	9.91	9.44	3.06	2.82		15
16		9.95	2.26	2.80	3.47	6.79	8.59	9.71	9.49	3.12	2.72		16
17		9.95	2.41	2.84	3.59	6.86	8.67	9.53	9.53	3.18	2.08		17
18		9.85	2.47	2.89	3.71	6.94	8.73	9.37	9.56	3.25	2.29		18
19		9.77	2.51	2.94	3.82	6.99	8.80	9.25	9.59	3.33	2.45		19
20		9.69	2.54	3.01	3.96	7.03	8.88	9.13	9.61	3.42	2.55		20
21		9.61		3.06	4.10	7.10	8.95	8.99	9.62	3.50	2.57		21
22		9.53		3.11	4.24	7.17	9.03	8.86	9.60	3.58	2.58		22
23				2.84	4.39	7.24	9.09	8.74	9.58	3.69	2.58		23
24				2.50	4.53	7.31	9.16	8.65	9.55	3.77	2.45		24
25				2.17	4.66	7.38	9.23	8.58	9.53	3.84	2.52		25
26				2.29	4.78	7.44	9.30	8.55	9.46	3.90	2.43		26
27				2.41	4.89	7.49	9.37		9.23	3.98			27
28				2.45	5.00	7.53	9.43		8.92	4.09			28
29				2.53	5.14	7.56	9.49		8.66	4.17			29
30			2.51	2.59	5.25	7.55	9.55		8.43	4.28			30
31			2.54		5.36		9.59			4.38			31

=MONTHLY SUMMARY=													MEAN
MEAN				2.63	3.67	6.66	8.57						
INST				2.05	2.58	5.41	7.52						INST
MAX				(25)	(3)	(1)	(1)						MAX
INST				3.12	5.41	7.57	9.61						INST
MIN				(22)	(31)	(29)	(31)						MIN

ENVIRONMENT ONTARIO  
TORONTO  
HASTINGS COUNTY

OBSERVATION WELL 256

TOWNSHIP OF THURLLOW

CONC. 6

LOT 22

WELL REC #1 2904367  
UTM CO-ORDS 2-18 E313250 N4905130  
LAT & LONGS 44-17NORTH 77-20WEST

REC METHOD: A35 RECORDER  
REC COMMD: JUN. 22 1970  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 375 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN TOPSOIL 1; BROWN CLAY AND BOULDERS 3; (DENSE) BROWN SANDY CLAY, BROKEN GRAVEL, BOULDERS 45; HARD LIMESTONE 188; RED GRANITE 190.

DIAMETER OF WELL: 6.25 INCHES  
LENGTH OF CASING: 45 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 196 FEET

PUMP RATE: 2 IGPH  
SPEC. CAP: 0.07 IGPH/FT  
AQUIFER: LIMESTONE  
QUALITY: N.A.

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	17.10	17.22	17.09			16.11	16.54						1
2	17.10	17.23	17.09			16.12	16.55						2
3	17.09	17.23	17.07			16.12	16.61						3
4	17.08	17.22	16.96			16.15	16.76						4
5	17.08	17.23	16.60	15.24		16.18	16.88						5
6	17.08	17.23	16.51	15.31		16.20	17.06						6
7	17.08	17.23	16.49	15.39	15.67	16.20							7
8	17.07	17.23	16.44	15.48	15.67	16.24							8
9	17.07	17.23	16.28	15.55	15.68	16.27							9
10	17.07	17.24		15.51	15.68	16.30							10
11	17.07	17.24		15.50	15.68	16.32							11
12	17.08	17.25		15.57	15.67	16.33							12
13	17.08	17.21	15.12		15.70	16.36							13
14	17.08	17.19	15.16		15.71	16.38							14
15		17.19	15.24		15.73	16.40							15
16		17.20	15.32		15.76	16.42							16
17		17.20	15.38		15.77	16.42							17
18		17.20	15.46		15.79	16.40							18
19	17.21	17.21	15.48		15.81	16.34							19
20	17.21	17.22	15.48		15.83	16.33							20
21	17.21	17.21			15.86	16.34							21
22	17.20	17.22			15.88	16.38							22
23	17.21	17.22			15.89	16.42							23
24	17.20	17.21			15.90	16.43							24
25	17.21	17.10			15.95	16.39							25
26	17.20	17.10			16.00	16.41							26
27	17.20	17.10			16.02	16.38							27
28	17.20	17.10			16.04	16.35							28
29	17.20				16.07	16.42							29
30	17.21				16.08	16.50							30
31	17.21				16.10								31

=MONTHLY SUMMARY=													MEAN
MEAN		17.20				16.32							
INST		17.09				16.11							INST
MAX		(24)				(1)							MAX
INST		17.26				16.54							INST
MIN		(13)				(30)							MIN

ENVIRONMENT ONTARIO  
TORONTO  
HASTINGS COUNTY

OBSERVATION WELL 328  
TOWNSHIP OF THUNDERBOLT

CONC. 6  
LOT 13

WELL REC #1 2906070  
UTM CO-ORD: Z=18 E309090 N4905560  
LAT & LONG: 44-13NORTH 77-23WEST

REC METHOD: STEEL TAPE  
REC COMMCD: NOV. 16 1970  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 340 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN TOPSOIL 01; LOOSE BROWN SAND AND GRAVEL 05.

DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: 5 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 5 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1977  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	08/ -0.68	04/ -0.44	06/ 0.0	03/ 0.49 30/ 0.92	28/ 2.05			02/ 0.42	14/ 0.18	10/ -0.15	08/ -0.12

ENVIRONMENT ONTARIO  
TORONTO  
HASTINGS COUNTY

OBSERVATION WELL 123  
TOWNSHIP OF TYENDINAGA

CONC. 6  
LOT 7

WELL REC #1 2905484  
UTM CO-ORD: Z=18 E317400 N4911425  
LAT & LONG: 44-20NORTH 77-17WEST

REC METHOD: 'F' TYPE RECORDER  
REC COMMCD: FEB 2 1965  
MEASURE PT: 2.5 FEET ABOVE GROUND SURFACE  
GND ELEV: 475 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: OVERBURDEN (CLAY AND STONES) 35; LIMESTONE 72.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 35 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 72 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	26.61				15.97		27.36	28.42					1
2	26.88				16.06		27.62	28.48					2
3	26.95				16.15		27.62	28.45					3
4	26.80				16.21	25.91	27.56						4
5	26.78			12.05	16.25	25.89	27.61						5
6	26.61			12.35	16.45	25.91	27.98						6
7	26.64			12.54	16.79	26.04	27.58						7
8	26.89			12.77	16.83	26.18	27.68						8
9	26.92			12.98	16.87	26.37	27.84						9
10	26.38			13.20	16.92	26.49	27.77						10
11	26.86			13.42	16.97	26.45	27.66						11
12	27.01			13.67	17.02	26.51	27.73						12
13	27.08			13.89	17.08	26.70	27.91						13
14	26.83			14.15	17.15	26.73	27.86						14
15	26.74			14.42	17.33	26.83	27.88						15
16	26.77			14.65	18.64	26.87	27.88						16
17	26.79			14.89	19.97	26.78	27.96						17
18				15.10	21.21	26.84	27.94						18
19				15.30		26.86	27.95						19
20				15.49		26.89	28.14						20
21				15.65		27.07	28.19						21
22				15.77		27.21	28.08						22
23				15.83		27.27	27.98						23
24				15.85		27.17	28.30						24
25				15.81		27.14	28.43						25
26				15.75		27.27	28.40						26
27				15.68		27.36	28.28						27
28				15.74		27.29	28.22						28
29				15.83		27.25	28.30						29
30				15.91		27.45	28.28						30
31							28.29						31
-MONTHLY SUMMARY-													
MEAN							27.93						MEAN
INST							27.23						INST
MAX							( 1 )						MAX
INST							28.47						INST
MIN							(25)						MIN

ENVIRONMENT ONTARIO  
TORONTO  
LENNOX AND ADDINGTON COUNTY

OBSERVATION WELL 474

TOWNSHIP OF ERNESTOWN

CONC. 5

LOT 14

WELL REC #1 3701191  
UTM CO-ORDS: Z-18 E355480 N4902559  
LAT & LONG: 44-16NORTH 76-49WEST

REC METHOD: A35 RECORDER  
REC COMMCD: JAN. 18 1968  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 350 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: CLAY 3; LIMESTONE 23.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 8 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 23 FEET

PUMP RATE: 2 IGPM  
SPEC. CAP: 0.25 IGPM/FT  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.65	6.63	6.13	5.75	6.22	6.32	6.42	6.85	6.59	5.87	6.36	5.35	1
2	9.82	6.61	6.24	5.80	6.15	6.31	6.45	7.49	6.60	5.50	6.36	5.20	2
3	9.58	6.59	6.25	5.80	6.21	6.32	6.48	6.92	6.60	5.63	6.38	5.37	3
4	9.53	6.56	6.21	5.83	6.22	6.32	6.49	6.85	6.61	5.76	6.38	5.54	4
5	9.21	6.54	5.72	5.68	6.17	6.32	6.51	6.82	6.66	5.89	6.14	5.74	5
6	8.77	6.54	5.79	5.86	6.11	6.33	6.52	7.15	6.67	5.97	6.18	5.94	6
7	8.67	6.54	5.99	5.95	6.19	6.34	6.51	6.66	6.66	6.06	6.23	5.96	7
8	8.63	6.54	5.94	6.03	6.15	6.34	6.50	7.39	6.66	6.08	6.14	5.94	8
9	8.20	6.54	5.79	6.07	6.08	6.35	6.52	6.97	6.67	5.61	5.71	5.96	9
10	7.77	6.54	5.52	6.09	6.14	6.37	6.55	6.76	6.67	5.36	5.88	6.01	10
11	8.14	6.54	5.36	6.14	6.18	6.38	6.55	6.80	6.67	5.62	5.85	6.05	11
12	7.92	6.52	5.17	6.17	6.20	6.38	6.56	6.85	6.68	5.78	5.61	6.05	12
13	7.42	6.26	4.83	6.18	6.21	6.38	6.56	6.86	6.67	5.91	5.72	6.05	13
14	7.05	6.14	4.73	6.20	6.24	6.39	6.58	6.95	6.58	5.99	5.88	5.91	14
15	6.87	6.30	5.15	6.22	6.26	6.39	6.65	6.89	6.26	6.02	5.95	5.68	15
16	6.82	6.37	5.43	6.25	6.27	6.40	6.66	6.46	6.40	6.08	5.95	5.81	16
17	6.79	6.38	5.64	6.27	6.28	6.42	7.19	6.32	6.33	6.10	5.44	5.86	17
18	6.76	6.39	5.79	6.28	6.29	6.42	8.07	6.42	6.37	6.11	5.39	5.90	18
19	6.75	6.40	5.94	6.29	6.29	6.36	7.73	6.45	6.37	6.12	5.64	5.96	19
20	6.74	6.40	5.96	6.29	6.29	6.36	6.95	6.49	6.41	6.20	5.79	6.00	20
21	6.74	6.41	5.95	6.32	6.28	6.37	6.49	6.49	6.35	6.24	5.79	6.04	21
22	6.74	6.48	5.87	6.23	6.28	6.39	6.88	6.15	6.28	6.28	5.81	6.06	22
23	6.73	6.66	5.98	6.00	6.30	6.41	6.87	6.29	6.29	6.30	5.88	6.07	23
24	6.73	6.69	5.97	5.80	6.32	6.42	6.87	6.23	6.29	6.32	5.82	6.08	24
25	6.72	5.99	6.00	5.66	6.32	6.42	6.91	6.32	6.28	6.32	5.77	5.80	25
26	6.71	6.05	6.01	5.80	6.32	6.42	6.91	6.38	6.06	6.32	5.88	5.78	26
27	6.69	6.08	5.96	5.92	6.33	6.42	6.86	6.43	5.73	6.33	5.65	5.87	27
28	6.69	5.92	5.69	6.05	6.32	6.43	7.89	6.49	5.90	6.32	5.80	5.92	28
29	6.67		5.31	6.13	6.31	6.41	7.17	6.54	5.96	6.33	5.86	5.97	29
30	6.66		5.50	6.19	6.31	6.41	6.80	6.58	6.05	6.35	5.91	6.09	30
31	6.65		5.56		6.33		6.81	6.57		6.35		6.14	31

-MONTHLY SUMMARY-

MEAN	7.57	6.41	5.72	6.04	6.24	6.38	6.82	6.72	6.41	6.04	5.88	5.87	MEAN
INST	6.64	5.77	4.52	5.59	6.02	6.31	6.41	5.97	5.66	5.19	5.18	5.13	INST
MAX	(31)	(27)	(13)	(24)	(8)	(2)	(1)	(22)	(26)	(9)	(17)	(1)	MAX
INST	9.93	6.69	6.30	6.33	6.33	6.43	8.31	8.55	6.69	6.35	6.39	6.15	INST
MIN	(2)	(24)	(4)	(22)	(28)	(29)	(28)	(7)	(12)	(31)	(3)	(31)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
PRESBURY COUNTY

OBSERVATION WELL 257

TOWNSHIP OF PLANTAGENET

CONC. 5

LOT 7

WELL REC #1 5200394  
UTM CO-ORDS: Z-18 E500550 N5041250  
LAT & LONG: 45-32NORTH 74-59WEST

REC METHOD: A35 RECORDER  
REC COMMCD: NOV. 20 1969  
MEASURE PT: N.A.  
GND ELEV: 167 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: STLY 25; COARSE SAND 30; GRAVEL 35.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 34 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 35 FEET

PUMP RATE: 75 IGPM  
SPEC. CAP: 2.69 IGPM/FT  
AQUIFER: GRAVEL  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW MEASURING POINT

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1							9.93	9.91					1
2							9.93	9.96					2
3							9.84	10.65					3
4							9.64	12.02					4
5							9.54	10.62					5
6							9.47	9.90					6
7							9.38	9.48					7
8							9.27	9.24					8
9							10.20	9.24					9
10							12.93	9.16					10
11							13.78	9.04					11
12							14.33	8.97					12
13							14.02	8.90					13
14							12.34	8.84					14
15							11.76						15
16						11.46	12.29						16
17						12.36	11.33						17
18						12.96	11.07						18
19						11.96	10.70						19
20						11.11	10.47						20
21						10.81	10.66						21
22						10.65	12.34						22
23						10.44	11.05						23
24						10.16	10.64						24
25						9.96	10.32						25
26						9.93	10.05						26
27						11.37	10.39						27
28						11.94	10.26						28
29						10.63	10.93						29
30						10.37	10.37						30
31							10.11						31

-MONTHLY SUMMARY-

MEAN							10.96						MEAN
INST							9.23						INST
MAX							(8)						MAX
INST							14.72						INST
MIN							(13)						MIN

ENVIRONMENT ONTARIO  
TORONTO  
PRINCE EDWARD COUNTY

OBSERVATION WELL 163  
TOWNSHIP OF W. HAMMESBURY

CONC. 5  
LOT 8

WELL REC #1 5200594  
UTM CO-ORD: Z=18 E=28025 N=4042000  
LAT & LONG: 45=32NORTH 74=39WEST

REC METHOD: A35 RECORDER  
REC COMMD: OCT 19 1966  
MEASURE PT: 2.8 FEET ABOVE GROUND SURFACE  
GND ELEV: 275 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: GREY CLAY 10; GREY CLAY AND GRAVEL 12; HARDPAN 30; SOFT WEATHERED GREY LIMESTONE WITH SOME GRAVEL 49; LIGHT BROWN LIMESTONE 59; DARK GREY LIMESTONE 94.

PUMP RATE: 40 IGPM  
SPEC. CAP: 3.81 IGPM/FT  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1977													
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.81	3.81	3.74	1.57	3.41	5.93	5.39	7.10					1
2	3.74	3.83	3.77	1.95	3.48	6.00	5.47	7.12					2
3	3.67	3.84	3.80	2.05	3.54	6.11	5.58	7.20					3
4	3.69	3.84	3.70	1.93	3.46	6.14	5.62	7.22					4
5	3.61	3.85	3.44	2.16	3.51	6.17	5.69	6.11					5
6	3.59	3.86	3.23	2.06	3.59	6.23	5.84	5.48					6
7	3.64	3.86	3.09	2.18	3.64	6.30	5.92	5.34					7
8	3.63	3.86	3.02	2.35	3.76	6.35	6.09	5.32					8
9	3.50	3.83	2.94	2.45	3.87	6.39	6.29	5.47					9
10	3.59	3.85	2.67	2.60	3.90	6.44	6.45	5.61					10
11	3.66	3.82	2.12	2.65	3.96	6.49	6.54	5.60					11
12	3.68	3.82	1.73	2.68	4.04	6.57	6.60	5.55					12
13	3.67	3.76	1.53	2.68	4.12	6.66	6.50	5.59					13
14	3.67	3.82	0.90	2.66	4.20	6.77	6.29	5.66					14
15	3.68	3.84	0.90	2.59	4.31	6.81	6.21						15
16	3.69	3.85	1.00	2.65	4.42	6.86	5.83						16
17	3.70	3.85	1.11	2.77	4.51	6.87	5.79						17
18	3.72	3.84	1.35	2.87	4.63	6.81	5.75						18
19	3.75	3.85	1.59	2.95	4.81	6.70	5.79						19
20	3.82	3.84	1.84	3.03	4.96	6.50	5.91						20
21	3.84	3.85	2.00	3.11	5.12	6.48	6.11						21
22	3.83	3.88	2.12	3.20	5.26	6.58	6.31						22
23	3.81	3.95	2.17	3.27	5.37	6.62	6.43						23
24	3.80	3.85	2.29	3.22	5.47	6.70	6.56						24
25	3.79	3.82	2.45	3.17	5.56	6.74	6.32						25
26	3.78	3.89	2.61	3.22	5.66	6.80	6.50						26
27	3.78	3.82	2.74	3.02	5.76	6.88	6.74						27
28	3.79	3.77	2.84	3.01	5.83	6.94	6.91						28
29	3.79		2.96	3.13	5.88	6.43	7.05						29
30	3.79		1.72	3.28	5.88	5.52	7.11						30
31	3.80		1.53		5.90		7.08						31
=MONTHLY SUMMARY=													
MEAN	3.72	3.84	2.34	2.68	4.57	6.49	6.22						MEAN
INST	3.44	3.75	0.80	1.41	3.37	5.42	5.37						INST
MAX	( 9)	(28)	(14)	( 1)	( 1)	(30)	( 1)						MAX
INST	3.84	3.96	3.81	3.37	5.92	6.96	7.13						INST
MIN	(21)	(23)	( 3)	(30)	(31)	(28)	(30)						MIN

ENVIRONMENT ONTARIO  
TORONTO  
PRINCE EDWARD COUNTY

OBSERVATION WELL 178  
TOWNSHIP OF MALLOWELL

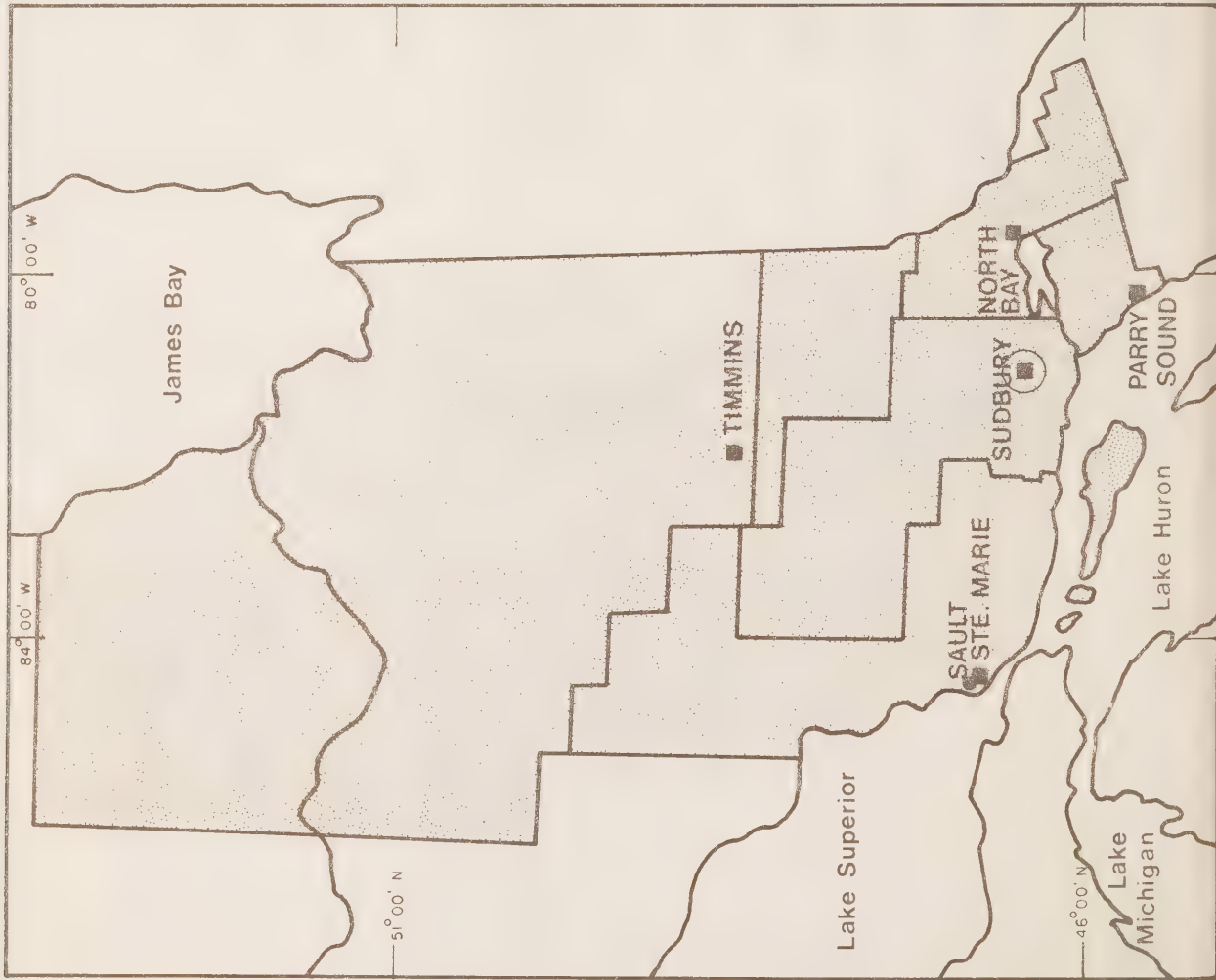
MT 2  
LOT 2

WELL REC #1 5300976  
UTM CO-ORD: Z=18 E318640 N4873090  
LAT & LONG: 43=59NORTH 77=15WEST

REC METHOD: A35 RECORDER  
REC COMMD: JUL 18 1966  
MEASURE PT: 1.5 FEET ABOVE GROUND SURFACE  
GND ELEV: 294 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: GRAVEL 10; LIMESTONE 100.

PUMP RATE: 5 IGPM  
SPEC. CAP: N/A  
AQUIFER: LIMESTONE  
QUALITY: FRESH


1977 DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1								11.50		8.82	1.18		1
2								11.66		8.62	1.22		2
3								11.82		8.41	1.27		3
4								11.99		8.14	1.33		4
5								12.14		7.72	1.39		5
6								12.29		7.18	1.44		6
7	1.92							12.43		6.62	1.50		7
8							7.60	12.56		6.02	1.54		8
9							7.77	12.67		5.43	1.58		9
10							7.95	12.77	9.44	4.83	1.63		10
11							8.12	12.86	9.33	4.17	1.68		11
12							8.26	12.98	9.17	3.51	1.72		12
13							8.39	13.06	9.12	2.93	1.76		13
14							8.56	13.15	9.09	2.51	1.77		14
15							8.75	13.22	9.05	2.21	1.68		15
16							8.90	13.27	9.02	1.86	1.42		16
17							9.05	13.32	8.97	1.44	1.18		17
18							9.19	13.40	8.97	1.13	1.01		18
19							9.34	13.45	8.98	0.88			19
20							9.47	13.46	9.00	0.79			20
21							9.59	13.47	9.01	0.77			21
22							9.73	13.46	9.02	0.73			22
23							9.91	13.42	9.08	0.71			23
24							10.11	13.35	9.11	0.75			24
25							10.28	13.20	9.11	0.77			25
26							10.42	13.02	9.11	0.82			26
27							10.58	12.83	9.11	0.88			27
28							10.82	12.61	9.10	0.93			28
29							11.04	12.29	9.05	0.98			29
30							11.22		8.96	1.05			30
31							11.36			1.12			31
-MONTHLY SUMMARY-													
MEAN										3.31			MEAN
INST MAX										0.71 (23)			INST MAX
INST MIN										8.89 ( 1)			INST MIN





OBSERVATION WELL DATA


- REGIONAL OFFICE
- SUDBURY
- 469 Bouchard St.
- 705-522-8282
- DISTRICT OFFICES
- North Bay
- 1500 Fisher St.
- 705-476-1001
- Sault Ste. Marie
- 445 Albert St. E.
- 705-949-4640
- Timmins
- 83 Algonquin Blvd. W.
- 705-264-9474
- Parry Sound
- 74 Church St.
- 705-746-2139


LEGEND


Regional Office

District Office

Recording Observation Well

Number of Recording Wells in same location

Manually Measured Well

Number of Manually Measured Wells in same location

2

ENVIRONMENT ONTARIO  
TORONTO  
DISTRICT OF ALGOOMA

OBSERVATION WELL 121  
CITY OF SAULT STE. MARIE

CONC. - LOT -

WELL REC #1 11015A1  
11TH CO-ORD: Z-17 E701680 N5156850  
LAT & LONG: 46-40NORTH 84-22WEST

REC METHOD: 1" TYPE RECORDER  
REC COMMCD: FEB. 10 1965  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 625 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLUE CLAY 75; ROCK 83.5.

DIAMETER OF WELL: 10 INCHES  
LENGTH OF CASING: 75 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 83.5 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: ROCK  
QUALITY: FRESH

1977  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	58.45			57.59	56.11	57.82	57.74						1
2	58.39			57.55	56.62	57.89	57.86						2
3	58.35			57.53	57.53	57.99	57.86						3
4	58.34			57.54	57.59	58.00	57.81						4
5	56.80		59.00	57.51	57.59	57.99	57.83						5
6	58.34		59.04	57.62	57.61	57.94	57.80						6
7			59.09	57.63	57.67	57.91	57.89						7
8			59.07	57.67	57.65	57.90	58.09						8
9			59.02	57.70	57.62	57.90	58.04						9
10			58.97	57.68	57.70	57.66	58.00						10
11			58.94	57.65	57.76	57.75							11
12			58.82	57.63	57.80	57.83							12
13			58.70	57.64	57.82	57.97	57.65						13
14			58.51		57.86	58.01	57.37						14
15			58.38		57.88	58.03	58.01						15
16			58.20	57.65	57.90		58.01						16
17			58.15	57.62	57.89		58.04						17
18			58.12	57.49	57.90		58.06						18
19			58.09	57.46	57.91		58.14						19
20			58.05	57.45	57.54		58.25						20
21			58.04	57.47	57.80		58.27						21
22			58.04	57.49	57.74								22
23			58.01	57.52	57.28								23
24			57.95	57.54	57.22								24
25			57.59	57.54	57.72	57.96							25
26			57.65	57.56	57.72	58.00							26
27			57.74	57.55	57.69	58.93							27
28			57.72	57.69	57.71	58.43							28
29			57.57	57.70	57.72	58.12							29
30			57.51	57.68	57.68								30
31			57.55		57.78								31

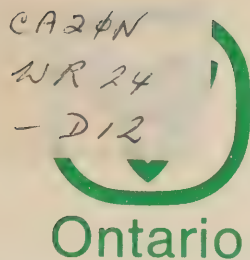
-MONTHLY SUMMARY-

MEAN	57.61	MEAN
INST	42.97	INST
MAX	(24)	MAX
INST	57.94	INST
MIN	(20)	MIN









Ministry  
of the  
Environment

Water Resources  
Bulletin 2-105  
Ground water series

Hon. Harry C. Parrott, D.D.S., *Minister*  
Graham W.S. Scott, *Deputy Minister*

# DATA FOR OBSERVATION WELLS IN ONTARIO 1978



*WATER RESOURCES  
BULLETIN 2-105  
Ground water series*

**DATA FOR  
OBSERVATION WELLS  
IN ONTARIO  
1978**

ISSN 0701-7499

MINISTRY OF THE ENVIRONMENT

Water Resources Branch

TORONTO

ONTARIO

1979

# METRIC CONVERSION FACTORS

<u>Multiply</u> <u>English Units</u>	<u>by</u>	<u>To Obtain</u> <u>Metric Units</u>
Inches (in)	2.540	Centimetres (cm)
Feet (ft)	0.305	Metres (m)
Imperial gals/min (Igpm)	0.758	Litres/sec L/s)
Imperial gals/min/ft (Igpm/ft)	0.248	Litres/sec/metre (L/s/m)

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Instantaneous Minimum .....	x
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## INTRODUCTION

The ground-water regime that exists in any area is a result of the geology, topography, drainage and climate of that area. Water which enters the soil and percolates downward into the zone of saturation, where all the voids and openings of the materials in the ground are filled with water, is commonly referred to as ground water. The top of this zone of saturation or ground-water system is called the water table and in Ontario is often found a few feet below the ground surface.

Precipitation in the form of rain and snow is the main source of ground water. In general, approximately 40% of all precipitation becomes surface runoff or infiltrates into the ground. The rest is returned to the atmosphere by evaporation from the soil and open bodies of water, and by transpiration from vegetation. Precipitation averages over 30 inches (76 cm) annually in most parts of southern Ontario. Forty percent of this amounts to 174 million gallons on each square mile of land surface, or 212 million litres on each square kilometer. Generally, less than one half of this volume of water will infiltrate and move through the ground-water system before being discharged into streams or lakes. Since infiltration rates are comparatively higher in sand and gravel areas than in clay areas, recharge to ground water will be correspondingly higher in sands and gravels.

Geologic formations that contain, transmit and yield ground water in usable quantities are termed aquifers. The degree to which a formation will store and yield water is dependent on its porosity and permeability. The porosity of a material is the proportion of openings or pore spaces to the volume of the material. The permeability gauges the rate at which a material will transmit water, and is dependent on the size and degree of interconnection of the pore spaces. Thus, a fine silty sand may have a higher porosity than a medium sand, but the finer material will have a lower permeability and yield smaller quantities of water to wells.

The amount of water that can be extracted from any area depends on the characteristics of the aquifers. Fine-grained overburden materials such as clays and silts are generally poor sources of water supply. Wells developed in such materials may not meet normal household requirements (100 gals/capita/day) if adequate storage is not provided. Coarse overburden materials such as sands and gravels have high permeabilities and are usually very good sources of ground water. Bedrock materials with adequate permeabilities resulting from fractures and solution cavities are also good sources of ground water.

Numerous factors such as the amount and intensity of rainfall, nature of the soil and vegetation, slope of land surface, and wind and temperature conditions also have a bearing on the amount of precipitation that becomes ground water. Before large withdrawals of ground water are planned in an area, a reliable estimate should be made of the average annual recharge to ground water. If this is done, the depletion of ground water stored in the aquifer can usually be avoided, and pumping installations can be designed for long, economical use.

## GROUND WATER LEVELS

One of the keys to the availability of ground water in a particular area are actual water levels as measured in wells. These levels may be a reflection of static or equilibrium ground-water conditions, or they may reflect artificial drawdown conditions caused by local withdrawals. A continuous record of water-level fluctuation reveals numerous factors concerning both the ground-water regime and the characteristics of a particular water-bearing formation. The continuous record, or hydrograph, is useful in analyzing natural long-term fluctuations in ground-water levels which are related commonly to precipitation, evapotranspiration and the discharge of water to streams.

In addition to monitoring natural ground-water level fluctuations, observation wells are established to determine the effects of large ground-water withdrawals from aquifers, to show the effects of natural and artificial recharge on aquifers, to assist in drainage basin analyses by providing data to show recharge and discharge areas, and to show regional and local ground-water flow patterns. Together with data on pumping rates, pumping levels and other aquifer characteristics, the water levels in observation wells are utilized in the calculation of the potential yield of aquifers and high-capacity production wells.

The water level in an unpumped observation well is referred to as the static level. Fluctuations in this level result either from natural causes such as precipitation, evaporation and ground-water discharge, or from artificial causes such as pumping or artificial recharge. A static level that follows a downward trend may forecast serious problems resulting from overpumping, reduced recharge due to changed soil or vegetational cover, or a combination of these and other factors. A knowledge of ground-water levels is a prerequisite to good ground-water management. Problems of water shortages and complaints about well interference cannot be fully understood or resolved without reliable data on water-level fluctuations.

In Ontario, ground-water levels normally rise during the fall, early winter and spring snowmelt periods when transpiration and evaporation are minimal. Throughout the warm-weather growth period, the amount of water infiltrating is greatly decreased by evaporation and transpiration. As a result, recharge to ground water is minimized and ground-water levels generally decline during this period.

## OBSERVATION WELL NETWORK

The observation well network in the Province of Ontario dates back to 1946 when the initial step in establishing the network was taken by the Ontario Department of Mines. Some of the original wells are still being used for observation purposes. The observation wells within the network consist primarily of drilled and bored wells, which are used commonly for supply purposes, as well as the more specialized piezometer tubes, which are used specifically for water-level measurement purposes. Water levels are measured either manually by tape or by automatic water-level recorders. Abandoned wells are ideally suited for observation purposes because the water-level fluctuations will not be affected by withdrawals of ground water from the wells. Observation wells in some cases have been acquired over the years in co-operation with private individuals or municipalities. Other wells have been constructed by the Ministry of the Environment specifically for water management and interference studies, and for river basin studies. New wells are regularly being incorporated into the network as new studies or water management problems arise. Older wells are phased out as sufficient data are gathered to satisfy the original intended use, or if a particular property owner wishes to use the well for other purposes.

## HYDROGRAPHS

Included for the first time in this bulletin, are yearly hydrographs for the observation wells which are equipped with water-level recorders. These hydrographs are computer plots of water-level data stored from digitized recorder charts. The hydrographs show actual water levels and give a complete picture of water level fluctuations in any one observation well for the entire year.

### OBSERVATION WELL DISTRIBUTION

As of December 31, 1978 the distribution of observation wells within each Region of the Ministry was as follows:

<u>Region</u>	<u>Recording Wells</u>	<u>Manually Measured Wells</u>
1) Southwest	23	8
2) West-Central	23	8
3) Central	32	-
4) Southeast	<u>10</u>	<u>-</u>
TOTAL	88	16

Observation wells in this publication are indexed in the following order.

- 1) MOE Region - All observation wells located in one particular region are grouped together.
- 2) County - The wells are indexed by county, then by township.
- 3) Numerically - Where there is more than one well in a particular township they are listed by their observation well numbers.

The Regional maps show the approximate locations of the recording wells and can be used as a guide to the distribution of the wells in each region.

### OBSERVATION WELL INFORMATION

The recorder charts are forwarded to the Hydrology and Monitoring Section of the Water Resources Branch in Toronto where the chart data is processed using the computer-digitizing method. After processing the data a variety of output options are available.

- 1) Water-level tabulations in either English or Metric Units in any of the following formats:
  - a) daily mean values
  - b) daily instantaneous maximum values
  - c) daily instantaneous minimum values
- 2) Annual hydrographs in either "Feet Above Sea Level" or "Feet Below Ground Surface" in either English or Metric Units plotted in any of the following formats:
  - a) daily mean values
  - b) daily instantaneous maximum values
  - c) daily instantaneous minimum values
  - d) all above plotted on same hydrograph
  - e) actual water-level plots from digitized points.
- 3) A card output of any one of the following:
  - a) daily mean values
  - b) daily instantaneous maximum values
  - c) daily instantaneous minimum values

## EXPLANATION OF WELL SPECIFICATIONS

OBSERVATION WELL NUMBER	The observation well number is assigned in numerical sequence at the time of the establishment of each observation well.
WELL REC. #	Each observation well is assigned a well record number to identify it within Ontario's water well record system. Each well record is assigned a unique number after it is filed with the Ministry.
CONC.	<p>The majority of townships in Ontario are surveyed into a regular pattern of concessions and lots; however, in some areas, geographical or historical factors may have created surveys of irregular shapes or patterns. This has resulted in many survey descriptions which are unique to certain areas.</p> <p>SEE:        Abbreviations Used to Describe Surveys and Tracts.</p>
UTM CO-ORD.	<p>(Universal Transverse Mercator Co-ordinates in Metres) This location system makes use of a square grid, 1000 x 1000 metres, which is superimposed on maps of the National Topographic System. The vertical grid lines are called Eastings and the horizontal lines Northings.</p> <p>The Easting represents the distance of a well in an easterly direction from a given north-south reference line. The Easting is the figure immediately following the letter E.</p> <p>The Northing represents the distance of a well in a northerly direction from a given east-west reference line. The Northing is the figure immediately following the letter N.</p> <p>The zone number which follows the letter Z is also a part of the UTM co-ordinates.</p>
LAT & LONG	Latitudes and Longitudes were determined from plotted locations on topographic maps and are given to the nearest minute.

REC. METHOD	<p>The recording method describes the manner in which the data were obtained, i.e., automatic water-level recorder or manual measurement.</p> <p>The following automatic recorders are currently in use by the Ministry of the Environment:</p> <ul style="list-style-type: none"> <li>- Stevens A-35 Recorder (Float actuated)</li> <li>- Stevens 'F' type recorder (Weekly/Monthly; Float actuated)</li> <li>- Brott Recorder (Nitrogen gas actuated)</li> </ul>
REC. COMMCD	Water-level recording was commenced on the date listed.
MEASURE PT.	The measuring point is the reference point, either above or below ground level, from which measurements are taken for each observation well. This figure is subtracted or added to the recorder chart measurements to obtain water levels in feet below ground surface.
WELL TYPE	This describes the method of construction of the well, i.e. drilled, bored or dug.
DIAMETER OF WELL	Casing diameters are shown to the nearest inch. Where several sizes of casings were used, the diameter of the lowermost casing only is given.
GND ELEV.	The ground elevation at the well site is given in feet above mean sea level. The majority of the elevations were determined from plotted locations on the National Topographic maps and are therefore related to the accuracy of the locations and the scale of the maps.
LENGTH OF CASING	The length of casing is the distance from ground level to the end of the cased section of the well.
LENGTH OF SCREEN	This is the length of well screen, sand point or slotted pipe section.
PUMP RATE	This is the rate (in Imperial gallons per minute) at which the well was test pumped. Where no pumping test was performed, the letters N.A. appear.

SPEC. CAP.	The specific capacity is determined using information obtained during the pumping test. It is calculated by dividing the pumping rate by the drawdown, which is the difference between the static water level before the test and the maximum pumping level measured during the test. Where no pumping test was performed, the letters N.A. appear.
AQUIFER	This lists the geological material of the main water-bearing formation.
QUALITY	After the construction of each well, the driller evaluates the water for taste and smell. The kind of water is shown by the following: <div style="margin-left: 400px;">           Fresh            Salty            Sulphur            Mineral         </div>
WELL LOG	This is a verbatim description of the well log as it was listed on the well record by the driller. Each formation is followed by a number which indicates the distance to the bottom of the formation. The last number generally indicates the total depth of the well.
MONTHLY SUMMARY	Monthly summaries are printed only for those months in which there are data for every day in that month.
MEAN	This figure represents the mean monthly water level, measured in feet below ground surface.
INST. MAX.	This is the instantaneous maximum water level, in feet below ground surface recorded for that month. The bracketed figure (or figures) immediately below the INST. MAX. value indicates the date(s) on which that value occurred. If the maximum value falls on more than 4 days it is indicated by an asterisk.
INST. MIN.	This is the instantaneous minimum water level, in feet below ground surface, recorded for that month. The bracketed figure (or figures) immediately below the INST. MIN. value indicates the date(s) on which that value occurred. If the minimum value falls on more than 4 days it is indicated by an asterisk.

ABBREVIATIONS USED TO DESCRIBE SURVEYS AND TRACTS

<u>Abbreviations</u>	<u>Survey or Tract</u>	<u>Municipality</u>
<u>Southwestern Region</u>		
FC	Front Concession	South Colchester Twp.
NTR E	North Talbot Road East	Westminster Twp.
Range IN	Range 1 North (Longwood's Rd. North)	Caradoc Twp.
WB	West Boundary Concession	Blanshard Twp.
<u>West-Central Region</u>		
BRN	Bleams Road North	Wilmot Twp.
BRS	Bleams Road South	Wilmot Twp.
ERS	Egremont Road South	Wilmot Twp.
JT	Jones Tract	N. Cayuga Twp.
STR	South Talbot Road	Middleton Twp.
<u>Central Region</u>		
HSE	Hurontario Street East	Chinguacousy Twp.
HSW	Hurontario Street West	Chinguacousy Twp.
OS	Old Survey	King Twp.
R 3 CIR	Range 3 Credit Indian Reserve	Toronto Twp. (Old Survey)
1E	Conc. 1E (Yonge Street East)	East Gwillimbury Twp.
<u>Southeastern Region</u>		
MT	Military Tract	Hallowell Twp.

# WELL INDEX

## Southwestern Region

<u>County/ Reg. Municipality</u>	<u>Municipality</u>	<u>Observation Well #</u>	<u>Page Tabulation</u>	<u>Page Hydrograph</u>
Essex	Sandwich East Twp.	164	2	14
	Colchester South Twp.	170	2	15
	Colchester South Twp.	171	3	-
	Colchester South Twp.	222	3	16
Huron	Morris Twp.	351	4	-
Kent	Bothwell	172	4	-
	Camden Twp.	217	5	-
	Harwich Twp.	345	5	-
	Tilbury Twp.	309	5	-
Lambton	Alvinston	207	6	17
	Forest	56	6	18
Middlesex	Caradoc Twp.	206	7	19
	Lobo Twp.	100	7	-
	Lobo Twp.	107	8	-
	Mosa Twp.	221	8	-
	Westminster Twp.	29	9	-
	Westminster Twp.	71	9	20
	Westminster Twp.	91	10	21
	Westminster Twp.	513	10	-
Oxford	Blenheim Twp.	542	11	-
	South Norwich Twp.	176	11	-
	South Norwich Twp.	177	12	-
Perth	Blanshard Twp.	45	12	22
	Stratford	182	13	23

# WELL INDEX

## West-Central Region

County/ Reg. Municipality	Municipality	Observation Well #	Page Tabulation	Page Hydrograph
Haldimand-Norfolk	Middleton Twp.	413	25	35
	North Cayuga Twp.	64	25	36
	South Walsingham Twp.	138	26	37
	South Walsingham Twp.	408	26	38
	Townsend Twp.	545	27	-
Niagara	North Grimsby Twp.	399	27	39
	Wainfleet Twp.	228	28	40
Waterloo	Kitchener	34	28	-
	Kitchener	35	28	-
	Kitchener	59	29	-
	Kitchener	82	29	41
	Wilmot Twp.	116	29	-
	Wilmot Twp.	117	30	-
	Wilmot Twp.	396	30	42
	Wilmot Twp.	514	31	-
	Wilmot Twp.	524	31	-
Wellington	Erin Twp.	432	32	43
	Guelph Twp.	532	32	-
	Puslinch Twp.	131	33	-
	Puslinch Twp.	213	33	-
	Puslinch Twp.	397	34	-
	Puslinch Twp.	544	34	44

## Central Region

Durham	Pickering Twp.	329	46	-
	Pickering Twp.	405	46	60
	Pickering Twp.	406	47	61
	Pickering Twp.	512	47	62
	Uxbridge Twp.	301	48	63
Halton	Esquesing Twp.	414	48	64
	Esquesing Twp.	437	49	65
	Georgetown	377	49	66
	Trafalgar Twp.	374	50	67
	Burlington	531	50	68
Northumberland	Hope Twp.	530	51	69
Peel	Albion Twp.	253	51	70
	Chinguacousy Twp.	167	52	71
	Chinguacousy Twp.	168	52	72
	Toronto Twp.	65	53	73

# WELL INDEX

## Central Region (cont'd)

<u>County/ Reg. Municipality</u>	<u>Municipality</u>	<u>Observation Well #</u>	<u>Page Tabulation</u>	<u>Page Hydrograph</u>
Simcoe	Barrie	529	53	74
	Essa Twp.	7	54	75
	Wasaga Beach	373	54	76
Victoria	Mariposa Twp.	375	55	77
York	East Gwillimbury Twp.	344	55	78
	King Twp.	342	56	79
	King Twp.	343	56	80
	Markham Twp.	106	57	81
	Markham Twp.	305	57	82
	Markham Twp.	398	58	83
	North York	90	58	84
	Whitchurch Twp.	340	59	85

## Southeastern Region







Dundas	Chesterville	522	87	93
Grenville	Edwardsburgh Twp.	523	87	94
Hastings	Hungerford Twp.	209	88	-
	Sidney Twp.	400	88	95
	Thurlow Twp.	122	89	96
	Thurlow Twp.	328	89	-
Lennox & Addington	Ernestown Twp.	474	90	97
Ottawa-Carleton	Nepean Twp.	541	90	-
Prescott	South Plantagenet Twp.	521	91	-
Prince Edward	Hallowell Twp.	178	91	-
Russell	Clarence Twp.	546	92	-
Stormont	Finch Twp.	520	92	-

## OBSERVATION WELL DATA

REGIONAL OFFICE  
LONDON  
985 Adelaide St. S.  
519-681-3600

**DISTRICT OFFICES**  
Windsor  
3012 Tecumseh Rd. E.  
519-945-2339  
Sarnia  
2424 Indian Rd. S.  
519-336-4030  
Owen Sound  
2220 11th St. E.  
519-371-2901

## LEGEND

Regional Office		2
District Office		2
Recording Observation Well		2
Number of Recording Wells in same location		2
Manually Measured Well		2
Number of Manually Measured Wells in same location		2



ENVIRONMENTAL ONTARIO  
TORONTO  
ESSEX COUNTY

OBSERVATION WELL 164

TOWNSHIP OF SANDWICH E.

CONC. 3

LOT 95

WELL REC #1 2102685  
UTM CO-ORD: Z-17 E337280 N4680660  
LAT & LONG: 42-16NORTH 82-58WEST

REC METHOD: A35 RECORDER  
REC COMM: DEC 6 1965  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 620 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 11 CLAY 161 CLAY AND SMALL AMOUNT OF GRAVEL 1411 CEMENTED GRAVEL 1451 BROKEN ROCK 1461 LIGHT BROWN LIMESTONE 192.

DIAMETER OF WELL: 23 INCHES  
LENGTH OF CASING: 147 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 192 FEET

PUMP RATE: 154 IGPM  
SPEC. CAP: 2.01 IGPM/FT  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	31.30	31.56	31.79	31.40	31.36	31.18	31.58	31.81	32.29	32.01		31.54	1
2	31.34	31.63	31.68	31.54	31.34	31.20	31.45	31.82	32.21	32.08		31.73	2
3	31.49	31.90	31.46	31.47	31.29	31.18	31.38	31.87	32.13	32.29		31.75	3
4	31.84	31.62	31.74	31.43	31.25	31.21	31.50	32.00	32.17	31.99		31.48	4
5	32.02	31.40	31.85	31.52	31.24	31.20	31.54	32.05	32.15	32.01		31.42	5
6	31.72	31.49	31.83	31.35	31.35	31.32	31.55	32.04	32.24	31.89		31.55	6
7	31.58	31.53	31.76	31.44	31.35	31.21	31.47	32.00	32.21	31.94		31.59	7
8	31.31	31.52	31.67	31.50	31.20	31.23	31.42	32.08	32.22	31.96		31.58	8
9	31.26	31.59	31.57	31.49	31.16	31.34	31.33	31.90	32.28	32.02	31.69	31.45	9
10	31.55	31.66	31.60	31.30	31.29	31.40	31.44	31.93	32.26	31.97	31.77	31.51	10
11	31.87	31.62	31.65	31.26	31.37	31.38	31.57	31.97	32.20		31.78	31.61	11
12	31.99	31.60	31.70	31.48	31.23	31.41	31.58	32.20	32.27		31.81	31.62	12
13	31.71	31.51	31.83	31.43	31.11	31.65	31.48	32.25	32.37		31.72	31.48	13
14	31.51	31.67	31.42	31.53	31.03	31.86	31.56	32.07	32.26		31.70	31.61	14
15	31.49	31.60	31.69	31.57	31.12	31.56	31.39	32.08	32.25		31.85	31.44	15
16	31.59	31.60	31.76	31.53	31.24	31.51	31.40	31.92	32.15		31.85	31.42	16
17	31.81	31.79	31.50	31.58	31.24	31.42	31.48	31.93	32.11		31.64	31.47	17
18	31.82	31.54	31.41	31.46	31.31	31.36	31.69	31.97	32.16		31.65	31.52	18
19	31.97	31.47	31.27	31.38	31.39	31.47	31.69	31.88	32.22		31.77	31.50	19
20	31.62	31.56	31.37	31.32	31.25	31.58	31.63	31.97	32.25		31.89	31.27	20
21	31.51	31.60	31.17	31.35	31.17	31.67	31.64	32.11	32.29		31.93	31.21	21
22	31.57	31.72	31.27	31.53	31.20	31.91	31.55	32.24	32.27		31.82	31.38	22
23	31.60	31.80	31.45	31.49	31.19	31.89	31.56	32.33	32.38		31.57	31.44	23
24	31.62	31.59	31.74	31.43	31.27	31.86	31.67	32.17	32.27		31.55	31.21	24
25	31.25	31.44	31.69	31.53	31.31	31.75	31.71	32.31	32.21		31.59	31.17	25
26	30.65	31.56	31.58	31.63	31.25	31.55	31.62	32.10	32.30		31.63	31.29	26
27	31.00	31.71	31.49	31.66	31.11	31.55	31.56	32.02	32.17		31.46	31.42	27
28	31.19	31.68	31.44	31.52	31.11	31.63	31.74	31.99	32.19		31.55	31.59	28
29	31.28		31.60	31.31	31.11	31.59	31.61	32.08	32.24		31.58	31.62	29
30	31.43		31.60	31.26	31.08	31.74	31.77	32.23	32.11		31.53	31.45	30
31	31.42		31.50		31.23		31.75	32.24				31.31	31
-MONTHLY SUMMARY-													
MEAN	31.53	31.61	31.58	31.46	31.23	31.49	31.56	32.05	32.23			31.47	MEAN
INST	30.46	31.28	31.02	31.03	30.80	31.00	31.25	31.65	31.98			31.03	INST
MAX	(26)	(25)	(21)	(11)	(30)	(1)	(15)	(1)	(30)			(25)	MAX
INST	32.63	32.27	32.23	32.08	31.86	32.30	32.20	32.77	32.72			31.99	INST
MIN	(4)	(22)	(6)	(26)	(26)	(14)	(18)	(23)	(13)			(8)	MIN

ENVIRONMENTAL ONTARIO  
TORONTO  
ESSEX COUNTY

OBSERVATION WELL 170

TOWNSHIP OF S. COLCHESTER

GORE

LOT 14

WELL REC #1 2102685  
UTM CO-ORD: Z-17 E342840 N4654930  
LAT & LONG: 42-02NORTH 82-54WEST

REC METHOD: A35 RECORDER  
REC COMM: MAR 5 1966  
MEASURE PT: 1.5 FEET ABOVE GROUND SURFACE  
GND ELEV: 630 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 11 YELLOW SAND 121 GREY SAND 301 QUICK SAND 1101 SAND AND GRAVEL 1151 COARSE GRAVEL 1241 GREY LIMESTONE 129.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 124 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 129 FEET

PUMP RATE: 300 IGPM  
SPEC. CAP: 60.0 IGPM/FT  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.32	8.43	8.81						9.49	10.00	10.30	10.71	1
2	8.32	8.45	8.81						9.37	10.02	10.31	10.72	2
3	8.32	8.48	8.80						9.37	10.01	10.33	10.69	3
4	8.32	8.50	8.86						9.41	10.03	10.34	10.66	4
5	8.32	8.47	8.88							10.03	10.34	10.66	5
6	8.32	8.50	8.91						11.66	10.04	10.36	10.68	6
7	8.32	8.52	8.95						11.79	10.04	10.37	10.68	7
8	8.26	8.54	8.92						11.23	10.06	10.38	10.66	8
9	8.26	8.55	8.91						9.91	10.07	10.39	10.65	9
10	8.34	8.55	8.92						9.72	10.08	10.41	10.65	10
11	8.36	8.55	8.93						9.86	10.08	10.42	10.65	11
12	8.36	8.57	8.94						9.76	10.09	10.45	10.65	12
13	8.35	8.56	8.77						9.78	10.13	10.45	10.63	13
14	8.35	8.61	8.44						9.77	10.14	10.46	10.63	14
15	8.36	8.63							9.77	10.16	10.47	10.62	15
16	8.39	8.64						8.88	9.78	10.16	10.49	10.64	16
17	8.39	8.64						8.90	9.79	10.18	10.47	10.66	17
18	8.41	8.63						9.28	9.80	10.17	10.50	10.66	18
19	8.44	8.63						8.94	9.82	10.17	10.50	10.66	19
20	8.41	8.64						8.98	9.81	10.20	10.51	10.62	20
21	8.44	8.68						11.57	9.84	10.21	10.52	10.63	21
22	8.48	8.70						12.16	9.87	10.22	10.52	10.65	22
23	8.49	8.70						10.56	9.87	10.24	10.50	10.67	23
24	8.45	8.70						9.70	9.88	10.24	10.51	10.65	24
25	8.39	8.74						9.30	9.90	10.22	10.53	10.66	25
26	8.26	8.78						9.25	9.92	10.22	10.54	10.68	26
27	8.35	8.79						9.24	9.92	10.24	10.55	10.70	27
28	8.39	8.80						9.25	9.97	10.26	10.57	10.71	28
29	8.40							9.65	9.97	10.28		10.72	29
30	8.41							9.36	9.97	10.29	10.71	10.71	30
31	8.42							9.39		10.29		10.68	31
-MONTHLY SUMMARY-													
MEAN	8.37	8.61							10.01	10.15		10.67	MEAN
INST	8.20	8.42							9.34	9.97		10.59	INST
MAX	(26)	(1)							(3)	(1)		(31)	MAX
INST	8.49	8.80							14.06	10.30		10.73	INST
MIN	(21)	(28)							(8)	(31)		(2)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
ESSEX COUNTY

OBSERVATION WELL 171

TOWNSHIP OF S. COLCHESTER

GORE

LOT 15

WELL REC #1 2103851  
UTM CO-ORD: Z-17 F342649 N4654902  
LAT & LONG: 42-02NORTH 82-54WEST

RFC METHOD: STEEL TAPE  
REC COMM: APR. 1 1966  
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 632 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN SILTY SAND 8% BROWN SAND WITH SOME COARSE SAND AND GRAVEL 23% GREY SAND, SILTY CLAY 26% GREY FINE SAND AND SOME GRAVEL 30% GREY, FINE TO MEDIUM SAND 32% GREY FINE SAND 37.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 31 FEET  
LENGTH OF SCREEN: 6 FEET  
DEPTH OF WELL: 37 FEET

PUMP RATE: 15 IGPM  
SPEC. CAP: 2.34 IGPM/FT  
AQUIFER: FINE SAND  
QUALITY: FRESH

1978  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
										29/ 12.54	

ENVIRONMENT ONTARIO  
TORONTO  
ESSEX COUNTY

OBSERVATION WELL 222

TOWNSHIP OF S. COLCHESTER

FC

LOT 54

WELL REC #1 2100602  
UTM CO-ORD: Z-17 F343580 N4650550  
LAT & LONG: 41-59NORTH 82-53WEST

REC METHOD: A35 RECORDER  
REC COMM: NOV 26 1968  
MEASURE PT: 3.7 FEET ABOVE GROUND SURFACE  
GND ELEV: 632 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK SANDY LOAM 1% FINE YELLOW SAND 4% GREY FINE SAND 15% HARDPAN 23% CLAY 48% QUICKSAND 53% HARDPAN 72% SILTY SAND 78% HARDPAN 105% FINE SAND 111% SAND AND HARDPAN 115% FINE TO COARSE SAND 122% BROWN LIMESTONE 125% DARK LIMESTONE 127.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 123 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 127 FEET

PUMP RATE: 30 IGPM  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	21.41	22.07	22.15	20.18	20.04	22.03	27.21	30.19	26.39	25.56	25.51	25.37	1
2	21.43	22.06	22.17	20.11	20.28	21.75	25.82	28.83	26.51	25.58	25.50	25.47	2
3	21.52	22.07	22.33	20.23	20.15	21.72	24.78	27.70	26.70	25.55	25.50	25.33	3
4	21.56	22.09	22.30	20.15	20.21	23.51	24.36	28.43	26.50	25.67	25.44	25.31	4
5	21.52	22.09	22.38	19.68	20.11	22.69	24.00	30.06	26.45	25.65	25.44	25.40	5
6	21.49	22.13	22.34	19.52	20.17	22.33	28.17	28.81	26.48	25.62	25.55	25.43	6
7	21.50	22.09	22.35	19.53	20.45	21.95	29.70	27.56	26.49	25.68	25.60	25.36	7
8	21.47	22.11	22.36	19.57	20.32	21.87	34.13	27.02	26.60	25.70	25.58	25.30	8
9	21.48	22.10	22.24	19.43	21.03	22.10	37.56	26.73	26.61	25.73	25.54	25.29	9
10	21.60	22.11	22.23	19.26	21.34	22.15	33.81	26.51	26.54	25.66	25.56	25.31	10
11	21.78	22.05	22.31	19.29	21.45	22.18	33.92	26.28	26.30	25.58	25.56	25.31	11
12	21.82	22.06	22.22	19.47	21.40	22.16	35.42	28.33	26.08	25.56	25.64	25.24	12
13	21.78	22.05	22.14	19.55	21.37	22.03	34.05	27.06	25.89	25.57	25.50	25.22	13
14	21.68	22.09	22.14	19.51	21.36	22.08	35.76	26.68	25.71	25.69	25.38	25.23	14
15	21.70	22.10	22.03	19.85	21.38	22.75	38.32	27.31	25.61	25.69	25.49	25.22	15
16	21.77	22.11	21.93	20.01	21.50	24.40	40.86	27.09	25.69	25.54	25.45	25.20	16
17	21.81	22.14	21.76	19.75	21.57	23.13	39.10	27.75	25.67	25.60	25.26	25.28	17
18	21.78	22.10	21.57	19.57	21.71	29.74	36.45	27.20	25.63	25.67	25.34	25.16	18
19	21.81	22.10	21.41	19.61	21.70	29.46	34.36	26.51	25.69	25.65	25.38	25.14	19
20	21.81	22.10	21.13	19.53	21.99	35.07	36.19	26.52	25.71	25.72	25.40	24.99	20
21	21.77	22.11	21.03	19.63	21.86	29.04	33.18	26.35	25.70	26.26	25.36	25.02	21
22	21.89	22.04	20.91	19.82	22.01	27.50	33.01	26.31	25.83	26.25	25.32	25.06	22
23	21.97	22.09	20.85	19.70	21.66	33.38	31.39	26.35	25.93	26.50	25.19	25.15	23
24	21.98	22.16	20.67	19.62	21.67	34.33		26.37	25.84	26.24	25.25	25.06	24
25	21.87	22.20	20.51	19.66	21.74	28.44	36.50	26.68	25.76	25.91	25.31	25.08	25
26	21.66	22.18	20.43	19.87	21.78	26.32	34.06	26.53	25.85	25.78	25.31	25.11	26
27		22.18	20.33	19.87	25.64	25.49	31.74	26.37	25.91	25.76	25.19	25.15	27
28		22.20	20.31	19.93	23.16	24.88	31.74	26.06	25.86	25.82	25.22	25.20	28
29	21.86		20.27	20.07	22.64	24.96		26.13	25.78	25.76	25.29	25.12	29
30	21.96		20.20	20.07	23.20	26.48	28.33	26.17	25.68	25.60	25.36	25.07	30
31	22.00		20.20		22.27		27.62	26.23		25.51		25.03	31
-MONTHLY SUMMARY-													
MEAN		22.11	21.52	19.73	21.52	25.20		27.17	26.05	25.74	25.41	25.22	MEAN
INST MAX		21.97 (1)	20.13 (30)	19.18 (10)	19.90 (1)	21.59 (3)		25.88 (29)	25.51 (16)	25.44 (2)	25.08 (23)	24.92 (31)	INST MAX
INST MIN		22.39 (24)	22.54 (8)	21.24 (15)	34.24 (27)	44.71 (24)		39.19 (5)	29.25 (3)	27.64 (23)	25.81 (6)	25.64 (2)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
HURON COUNTY

OBSERVATION WELL 351  
TOWNSHIP OF MORRIS

CONC A  
LOT 26

WELL REC #: 3002706  
UTM CO-ORD: Z-17 E476405 N4840820  
LAT & LONG: 43-44NORTH 81-18WEST

REC METHOD: A35 RECORDER  
REC COMM: JAN 1 1972  
MEASURE PT: 3.00 FEET ABOVE GROUND SURFACE  
GND ELEV: 1142 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK MUCK 51 GREY QUICKSAND AND BOULDERS 411 GREY CLAY AND STONES 461 GREY CLAY, STONES AND HARDPAN 641 LIMESTONE 150.

DIAMETER OF WELL: 5 INCHES  
LENGTH OF CASING: 147 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 150 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	23.46	24.25										24.81	1
2	23.43	24.29										24.94	2
3	23.64	24.47									25.22	24.75	3
4	23.73	24.35									25.13	24.45	4
5	23.76	24.26									25.08	24.54	5
6	23.74	24.25									25.14	24.83	6
7	23.70	24.32									25.24	24.92	7
8	23.37	24.29									25.19	24.75	8
9	23.28	24.14									25.14	24.64	9
10	23.61	24.06									25.28	24.74	10
11	23.83	24.10									25.35	24.86	11
12	23.87	24.13									25.48	24.74	12
13	23.83	24.21									25.29	24.48	13
14	23.72	24.32									25.15	24.57	14
15	23.69	24.33									25.37	24.43	15
16	23.89	24.35									25.44	24.51	16
17	23.95	24.33									25.06	24.55	17
18	23.95										25.09	24.62	18
19	24.00										25.32	24.64	19
20	23.82										25.47	24.28	20
21	23.87										25.39	24.18	21
22	24.03										25.24	24.44	22
23	24.02										24.83	24.63	23
24	23.79										24.78	24.47	24
25	23.50										24.98	24.37	25
26	22.97										25.06	24.59	26
27	23.62										24.82	24.76	27
28	23.90										24.79	24.96	28
29	24.11										24.82	24.94	29
30	24.20										24.78	24.77	30
31	24.19											24.64	31
-MONTHLY SUMMARY-													
MEAN	23.76											24.64	MEAN
INST MAX	22.75 (26)											23.96 (20)	INST MAX
INST MIN	24.22 (30)											25.06 (29)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
KENT COUNTY

OBSERVATION WELL 172  
TOWN OF ROTHWELL

CONC. -  
LOT -

WELL REC #: 3300023  
UTM CO-ORD: Z-17 E428050 N4719550  
LAT & LONG: 42-38NORTH 81-53WEST

REC METHOD: A35 RECORDER  
REC COMM: JUN. 5 1966  
MEASURE PT: 2.4 FEET ABOVE GROUND SURFACE  
GND ELEV: 682 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN FINE SAND 101 BROWN FINE SILTY SAND 151 BROWN AND GREY FINE SAND WITH SOME FINE GRAVEL, COARSE SAND SEAMS 201 GREY SILTY FINE SAND 281 GREY COARSE SAND AND FINE TO MEDIUM GRAVEL 341 GREY SILTY CLAY TILL 35.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 30 FEET  
LENGTH OF SCREEN: 4 FEET  
DEPTH OF WELL: 34 FEET

PUMP RATE: 30 IGPM  
SPEC. CAP: 2.29 IGPM/FT  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.48	3.90					4.85	5.73	6.29	6.72	6.72		1
2	3.51	3.89					4.83	5.74	6.30	6.73	6.72		2
3	3.59	3.90					4.84	5.76	6.32	6.73	6.73		3
4	3.65	3.95					4.87	5.78	6.33	6.72	6.74		4
5	3.68	3.97					4.89	5.80	6.36		6.75		5
6	3.71	3.97					4.93	5.85	6.37		6.77		6
7	3.72	4.01					4.98	5.86	6.39		6.77		7
8	3.60	4.15					5.02	5.90	6.41		6.77		8
9	3.47	4.22					5.09	5.93	6.43		6.79		9
10	3.55	4.24					5.13	5.95	6.44		6.79		10
11	3.72	4.27					5.17	5.97	6.47		6.78		11
12	3.81	4.31					5.22	6.00	6.52		6.79		12
13	3.66						5.26	6.03	6.53		6.79		13
14	3.87						5.29	6.06	6.54		6.80		14
15	3.94						5.34	6.09	6.54		6.80		15
16	4.02						5.20	6.09	6.55		6.80		16
17	4.05						5.20	6.04	6.57		6.80		17
18	4.10						5.29	6.03	6.57		6.77		18
19	4.14						5.37	6.04	6.58		6.69		19
20	4.17						5.41	6.08	6.59		6.63		20
21	4.20						5.44	6.10	6.60		6.58		21
22	4.21						5.45	6.13	6.62		6.54		22
23	4.21						5.49	6.14	6.63		6.50		23
24	4.21						5.52	6.14	6.64		6.45		24
25	4.20						5.56	6.16	6.65	6.70	6.37		25
26	3.96						5.59	6.20	6.66	6.70	6.31		26
27	3.89						5.62	6.23	6.67	6.70	6.26		27
28	3.89					4.72	5.64	6.24	6.67	6.70	6.24		28
29	3.90					4.77	5.66	6.25	6.67	6.71	6.23		29
30	3.90					4.82	5.66	6.26	6.70	6.71	6.22		30
31	3.90						5.68	6.28		6.71			31
-MONTHLY SUMMARY-													
MEAN	3.87						5.27	6.03	6.52		6.63		MEAN
INST MAX	3.46 (9)						4.82 (1)	5.71 (1)	6.29 (1)		6.21 (30)		INST MAX
INST MIN	4.22 (23)						5.71 (31)	6.29 (31)	6.72 (30)		6.81 (16)		INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
KENT COUNTY

OBSERVATION WELL 217

TOWNSHIP OF CAMDEN

GORE 3 LOT 2

WELL REC #1 3305579  
UTM CO-ORD: Z-17 E401725 N4715000  
LAT & LONG: 42-35NORTH 82-12WEST

REC METHOD: A35 RECORDER  
REC COMMCD: SEP. 24 1968  
MEASURE PT: 1.22 FEET ABOVE GROUND SURFACE  
GND ELEV: 595 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: CLAY 48% CLAY AND GRAVEL 53% SAND, GRAVEL AND BOULDERS 66% GRAVEL AND CLAY 75% HARDPAN AND GRAVEL 95% GRAVEL AND CLAY 105% GRAVEL 150.

DIAMETER OF WELL: 10 INCHES  
LENGTH OF CASING: 150 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 150 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: 1 GRAVEL  
QUALITY: 1 FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	86.47			86.64	86.14	85.95	85.97	85.82					1
2	86.48			86.57	86.18	86.02	85.81	85.84					2
3	86.71			86.25	86.10	86.06	85.73						3
4	86.83			86.48	85.81	85.88	85.91						4
5	86.80			86.32	86.06	85.99	86.06						5
6	86.72			86.26	86.46	85.99	86.02						6
7	86.66			86.56	86.17	85.71	85.91						7
8	86.21			86.56	85.71	85.78	85.83						8
9	86.10			86.10	85.88	86.01	85.87						9
10				85.74	86.22	86.08	85.90						10
11				85.90	86.09	85.96	86.08						11
12				85.95	85.76	85.89	86.08						12
13	86.67			86.32	85.61	86.19	85.85						13
14	86.54			86.45	85.74	86.33	85.85						14
15	86.48			86.55	85.91	86.29	85.76						15
16	86.73			86.50	86.02	86.15	85.79						16
17	86.86			86.26	86.06	85.99	85.87						17
18	86.76			85.81	86.19	85.95	85.96						18
19	86.91			85.68	86.15	86.07	85.99						19
20	86.70			85.92	86.02	86.02	85.94						20
21	86.59			86.32	86.35	85.89	85.90						21
22	86.88			86.40	86.24	86.05	85.87						22
23	86.97			86.28	86.05	86.10	85.87						23
24	86.72			86.32	86.09	86.06	86.06						24
25	86.23			86.32	86.19	85.89	85.87						25
26				86.29	86.25	85.69	85.63						26
27				86.25	86.18	85.80	85.56						27
28				86.15	86.04	85.99	85.85						28
29				86.13	85.90	85.95	85.64						29
30				86.12	85.84	85.96	85.84						30
31					85.97		85.78						31
-MONTHLY SUMMARY-													
MEAN				86.25	86.04	85.99	85.87						MEAN
INST				85.65	85.56	85.63	85.50						INST
MAX				(19)	(12)	(26)	(27)						MAX
INST				86.75	86.52	86.36	86.14						INST
MIN				(1)	(6)	(14)	(12)						MIN

ENVIRONMENT ONTARIO  
TORONTO  
KENT COUNTY

OBSERVATION WELL 345

TOWNSHIP OF HARWICH

CRW 4 LOT 12

WELL REC #1 3302635  
UTM CO-ORD: Z-17 E417100 N4687900  
LAT & LONG: 42-20NORTH 82-00WEST

REC METHOD: STEEL TAPE  
REC COMMCD: AUG. 06 1958  
MEASURE PT: 2.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 660 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 06% BLUE CLAY 87% SANDY GRAVEL 157% BLACK SLATE 173% GREY SHALE 173.

DIAMETER OF WELL: 4 INCHES  
LENGTH OF CASING: 161 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 161 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: 1 BLACK SLATE  
QUALITY: 1 FRESH

1978  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
										29/118.50	

ENVIRONMENT ONTARIO  
TORONTO  
KENT COUNTY

OBSERVATION WELL 309

TOWNSHIP OF TILBURY E.

CONC. 4 LOT 12

WELL REC #1 3305577  
UTM CO-ORD: Z-17 E386240 N4683020  
LAT & LONG: 42-18NORTH 82-22WEST

REC METHOD: STEEL TAPE  
REC COMMCD: JUN 2 1969  
MEASURE PT: 2.2 FEET ABOVE GROUND SURFACE  
GND ELEV: 585 FEET ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: TOPSOIL 1% SANDY CLAY 14% CLAY 23.

DIAMETER OF WELL: 72 INCHES  
LENGTH OF CASING: 23 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 23 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: 1 CLAY  
QUALITY: 1 FRESH

1978  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
										29/ 4.87	

ENVIRONMENT ONTARIO  
TORONTO  
LAMBTON COUNTY

OBSERVATION WELL 207

VILLAGE OF ALVINSTON

CONC =

LOT =

WELL REC #1 3400030  
UTM CO-ORDS: Z-17 E429160 N4740965  
LAT & LONG: 42-49NORTH 81-53WEST

REC METHOD: A35 RECORDER  
REC COMMD: JUN 26 1967  
MEASURE PT: 2.4 FEET ABOVE GROUND SURFACE  
GND ELEV: 720 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: SAND 141 BLUE CLAY 751 SHALE GRAVEL 761 BLACK SHALE 78.

DIAMETER OF WELL: 7 INCHES  
LENGTH OF CASING: 78 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 78 FEET

PUMP RATE: 24 IGPM  
SPEC. CAP: 2.66 IGPM/FT  
AQUIFER: 1 SHALE  
QUALITY: 1 FRESH

1978

DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				32.22	32.32	33.09	33.06	33.30	33.45	33.44	33.65	33.20	1
2				32.75	32.45	32.98	32.79	33.32	33.34	33.62	33.49	33.24	2
3				32.61	32.42	32.94	32.58	33.27	33.20	33.44	33.49	33.14	3
4				32.42	32.28	32.79	32.66	33.34	33.52	33.25	33.34	32.67	4
5				32.57	32.19	32.74	32.73	33.33	33.46	33.23	33.25	32.79	5
6				32.58	32.56	32.90	32.75	33.25	33.42	33.00	33.29	33.09	6
7				32.58		32.70	32.83	33.11	33.41	33.14	33.38	33.28	7
8				32.69		32.58	33.12	33.09	33.40	33.22	33.38	33.13	8
9				32.55		32.67	33.28	33.12	33.60	33.21	33.25	33.09	9
10				32.15		32.77	33.20	33.09	33.58	33.36	33.42	33.25	10
11			32.34	32.01		32.76	33.49	33.05	33.37	33.25	33.51	33.41	11
12			32.47	32.10	32.33	32.75	33.53	33.11	33.40	32.94	33.66	33.29	12
13			32.38	32.19	32.07	32.93	33.71	33.26	33.61	33.16	33.51	32.97	13
14			32.09	32.40	32.17	33.03	33.85	33.33	33.49	33.26	33.28	33.33	14
15			32.43	32.52	32.34	32.98	33.72	33.44	33.36	33.26	33.52	33.10	15
16			32.38	32.54	32.50	32.83	33.60	33.33	33.24	33.34	33.55	33.13	16
17			32.38	32.57	32.49	32.67	33.69	33.19	33.27	33.65	33.17	33.11	17
18			32.26	32.22	32.63	32.73	33.91	33.25	33.36	33.48	33.08	33.21	18
19			32.37	31.95	32.70	32.97	34.23	33.15	33.52	33.21	33.42	33.25	19
20		32.78	32.43	31.93	32.58	32.95	34.25	33.37	33.48	33.22	33.69	32.81	20
21			32.19	32.20	32.57	32.78	34.15	33.37	33.46	33.22	33.69	32.44	21
22			32.34	32.55	32.52	32.82	33.86	33.35	33.74	33.24	33.54	32.79	22
23			32.76	32.55	32.55	32.84	33.88	33.33	33.84	33.41	33.11	32.98	23
24			33.15	32.58	32.58	32.79	33.96	33.38	33.59	33.53	32.97	32.92	24
25			32.92	32.54	32.80	32.67	34.06	33.56	33.60	33.18	33.24	32.67	25
26			32.64	32.44	32.98	32.46	33.80	33.68	33.65	33.10	33.40	32.91	26
27			32.59	32.41	32.89	32.66	33.59	33.82	33.41	33.30	33.14	33.12	27
28			32.57	32.36	32.75	32.81	33.61	33.59	33.49	33.49	33.09		28
29			32.77	32.32	32.85	32.87	33.42	33.45	33.57	33.80	33.29		29
30			32.69	32.37	32.96	32.91	33.39	33.55	33.42	33.79	33.17		30
31			32.25		33.00		33.26	33.45		33.67			31

-MONTHLY SUMMARY-

MEAN				32.40		32.81	33.48	33.33	33.47	33.34	33.37		MEAN
INST				31.82		32.35	32.52	32.99	33.05	32.84	32.84		INST
MAX				(20)		(26)	( 3)	(12)	( 3)	(12)	(23)		MAX
INST				32.84		33.25	34.55	34.04	33.89	33.86	33.80		INST
MIN				( 2)		( 1)	(20)	(27)	(23)	(29)	(21)		MIN

ENVIRONMENT ONTARIO  
TORONTO  
LAMBTON COUNTY

OBSERVATION WELL 050

TOWN OF FOREST

CONC =

LOT =

WELL REC #1 3404047  
UTM CO-ORDS: Z-17 E418540 N4771920  
LAT & LONG: 43-06NORTH 82-00WEST

REC METHOD: IF1 TYPE RECORDER  
REC COMMD: MAY 8 1950  
MEASURE PT: 1.67 FEET ABOVE GROUND SURFACE  
GND ELEV: 700 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: CLAY 110.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 110 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 110 FEET

PUMP RATE: N/A  
SPEC. CAP: N/A  
AQUIFER: 1 CLAY  
QUALITY: 1 FRESH

1978

DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	98.15		97.53	97.14	97.46	98.29	98.39	98.84	98.94				1
2	98.06		97.88	98.07	97.47		98.08	98.72	98.91				2
3	98.48			97.79	97.60	98.02	98.04	98.73	98.60				3
4				97.53	97.37	97.89	98.14	99.02	98.71	98.79			4
5				97.27	97.88		98.44	99.35	98.81	98.74			5
6				97.70	97.60	97.97		99.23	98.86	98.63			6
7	97.84				97.95	97.82		99.07	99.04	98.90			7
8	97.26				97.22	97.69	98.71	99.02	99.01	99.03			8
9	98.95				97.14	97.89	98.74	99.05	99.21	99.06			9
10	97.44				97.55	98.18	98.92	99.07	99.06	99.07			10
11					97.64	98.00	99.18	99.14	98.82	98.87			11
12						97.93	99.24	99.02	98.98	98.65			12
13						98.02	99.20	99.14					13
14						98.18		99.24					14
15				97.69	97.21	98.17		99.16					15
16				97.70	97.57			98.69					16
17				97.62	97.62			98.84					17
18				97.28	97.82								18
19		97.65		96.84		97.82	99.76	98.90	98.66				19
20		97.64				97.93	99.87	98.82	98.89				20
21		97.49				98.01	99.81	99.00	98.76				21
22						97.92	99.80	98.96	98.82				22
23					97.83	97.99	99.51	98.91	99.20				23
24				97.54	97.84	98.11	99.53	98.76					24
25		97.05		97.69	98.11	97.89	99.40	98.72					25
26		97.43		97.64	98.48	97.74	99.19	98.76					26
27		97.52		97.66	98.43	97.99	99.03	98.59					27
28		97.51		97.57	98.30	98.42		98.26					28
29					98.36		98.92	98.58					29
30					98.30		98.94	98.80					30
31					98.32		98.69	98.84					31

-MONTHLY SUMMARY-

MEAN							98.91						MEAN
INST							97.93						INST
MAX							(28)						MAX
INST							99.53						INST
MIN							( 5)						MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 206  
TOWNSHIP OF CARADOC

RANGE 1 N LOT 15

WELL REC #1 4106020  
UTM CO-ORDS: Z=17 E460740 N4747920  
LAT & LONG: 42=53NORTH 81=29WEST

REC METHOD: 'F' TYPE RECORDER  
REC COMMD: JUN 27 1967  
MEASURE PT: 3.25 FEET ABOVE GROUND SURFACE  
GND ELEV: 780 FEET ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: OVERBURDEN 22,

DIAMETER OF WELL: 72 INCHES  
LENGTH OF CASING: 22 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 22 FEET

PUMP RATE: N/A  
SPEC. CAP: N/A  
AQUIFER: OVERBURDEN  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.40	4.07	4.77	0.19	3.25	4.09	5.60	5.83	6.55	6.11	5.75	5.27	1
2	3.45	4.07	4.79	0.28	3.32	4.14	6.06	5.82	6.52	6.12	5.76	5.23	2
3	3.49		4.79	0.41	3.39	4.16	5.97	5.82	6.50	6.13	5.76	5.19	3
4	3.55		4.80	0.42	3.46	4.21	5.81	5.83		6.09	5.77	5.11	4
5	3.61		4.81	0.39	3.45	4.27	5.73	5.84		6.03		5.02	5
6	3.65		4.82	0.38	3.28	4.32	5.67	5.86		5.98		4.96	6
7	3.67		4.84	0.18		4.36	5.62	5.87	6.72	5.92		4.91	7
8	3.63	4.25	4.89	0.36		4.36	5.60	5.93	6.65	5.87		4.86	8
9	3.52	4.29	4.93	0.65		4.37		5.96	6.60	5.83	5.80	4.80	9
10	3.49	4.32	4.95	0.78		4.44		5.98	6.55	5.80	5.80	4.77	10
11	3.53	4.35	4.96	0.24		4.48		6.00	6.52	5.78	5.81	4.76	11
12	3.60	4.38	4.94	0.28		4.52	5.58	6.04	6.50	5.76	5.81	4.76	12
13	3.67	4.42	4.91	0.52		4.50	5.59	6.06	6.50	5.74	5.82	4.75	13
14	3.75	4.45	4.95	0.89		4.47	5.62	6.08	6.47	5.72	5.80	4.77	14
15	3.82	4.47	2.98	1.23		4.47	5.65	6.12	6.41	5.71	5.78	4.78	15
16	3.87	4.49	2.96	1.57		4.50	5.66	6.11	6.36	5.71	5.75	4.78	16
17	3.91	4.51	3.17	1.81		4.55	5.79	6.08	6.32	5.71	5.70	4.79	17
18	3.96	4.54	3.31	1.97		4.60	5.88	6.09	6.28	5.70	5.64	4.80	18
19	4.01	4.57	3.40	1.76		4.66	5.89	6.10	6.23	5.71	5.58	4.81	19
20	4.07	4.60	3.36	1.88	3.26	4.72	5.97	6.09	6.17	5.72	5.53	4.81	20
21	4.12	4.62	2.29	2.08	3.00	4.75	6.09	6.11	6.14	5.73	5.48	4.81	21
22	4.17	4.65	1.58	2.29	3.04	4.76	6.05	6.13	6.11	5.74	5.45	4.81	22
23	4.20	4.67	0.99	2.46	3.18	4.78	6.02	6.14	6.09	5.75	5.40	4.82	23
24	4.23	4.68	0.91	2.35	3.32	4.83	6.02	6.15	6.06	5.76	5.35	4.83	24
25	4.24	4.71	1.24	2.44	3.45	4.87	6.03	6.18	6.08	5.76	5.30	4.82	25
26	4.21	4.73	1.51	2.67	3.57	4.91	6.03	6.21	6.06	5.76	5.27	4.84	26
27	4.15	4.74	1.55	2.82	3.65	4.95	6.00	6.21	6.06	5.75	5.26	4.85	27
28	4.10	4.76	1.40	2.95	3.73	5.00	5.94	6.43	6.07	5.75	5.31	4.87	28
29	4.08		1.22	3.04	3.82	5.05	5.91	6.76	6.08	5.75	5.33	4.88	29
30	4.07		1.28	3.16	3.92	5.09	5.86	6.67	6.09	5.75	5.32	4.90	30
31	4.07		0.78		4.02		5.83	6.60		5.75		4.88	31
=MONTHLY SUMMARY=													
MEAN	3.85		3.28	1.41		4.57		6.10		5.82		4.88	MEAN
INST MAX	3.39 (1)		0.48 (31)	0.08 (1)		4.05 (1)		5.80 (3)		5.70 (17)		4.75 (13)	INST MAX
INST MIN	4.25 (25)		4.96 (11)	3.21 (30)		5.11 (30)		6.67 (28)		6.14 (3)		5.30 (1)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 100  
TOWNSHIP OF LOBO

CONC. 2 LOT 5

WELL REC #1 4106413  
UTM CO-ORDS: Z=17 F464840 N4755200  
LAT & LONG: 81=27NORTH 42=55WEST

REC METHOD: 'F' TYPE RECORDER  
REC COMMD: MAY 16 1963  
MEASURE PT: 0.25 FEET ABOVE GROUND SURFACE  
GND ELEV: 802 FEET ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: BROWN SAND AND GRAVEL 22.

DIAMETER OF WELL: 36 INCHES  
LENGTH OF CASING: 22 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 22 FEET

PUMP RATE: N/A  
SPEC. CAP: N/A  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				12.31					14.29		14.92		1
2			13.46	12.05					14.31		14.93		2
3			13.47	12.03					14.34		14.94		3
4			13.48	12.05					14.35		14.96		4
5			13.50	12.06					14.38		14.97		5
6			13.51	12.02					14.40		14.98		6
7			13.53	11.99					14.43		14.99		7
8			13.54	11.96					14.45		15.00		8
9			13.55	11.94					14.48		15.02		9
10			13.56	11.92					14.49		15.04		10
11			13.56	11.87					14.51		15.05		11
12			13.58	11.83					14.53		15.05		12
13			13.58	11.79					14.55		15.07		13
14			13.49	11.77					14.54		15.07		14
15			13.33	11.75					14.50		15.07		15
16			13.30	11.76					14.48		15.08		16
17			13.29	11.77					14.50		15.08		17
18			13.28	11.77					14.48		15.05		18
19			13.26	11.77					14.42		15.04		19
20			13.26	11.81					14.42		15.05		20
21			13.12	11.86					14.44		15.07		21
22			12.83	11.90					14.47		15.09		22
23			12.64	11.91					14.49		15.09		23
24			12.48						14.52		15.07		24
25			12.41					14.14	14.54		15.07		25
26			12.43					14.16		14.84	15.09		26
27			12.46					14.18		14.85			27
28			12.48					14.20		14.87			28
29			12.49					14.22		14.88			29
30			12.48					14.25		14.90			30
31			12.42					14.26		14.91			31
=MONTHLY SUMMARY=													
MEAN													MEAN
INST MAX													INST MAX
INST MIN													INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 107  
TOWNSHIP OF LORR

CONC. 2

LOT 6

WELL REC #1 4100889  
UTM CO-ORD1 Z-17 F465180 N4755140  
LAT & LONG1 42-57NORTH 81-26WEST

R/C METHOD1: ASS RECORDER  
R/C COMMCD: JUN 19 1963  
MEASURE PT1: 3.15 FEET ABOVE GROUND SURFACE  
GND ELEV1: 805 FEET ABOVE SEA LEVEL  
WELL TYPE1: DRILLED  
WELL LOG1: SANDY CLAY AND GRAVEL 71 SAND GRAVEL AND SMALL BOULDERS 251 SANDY BLUE CLAY 481 BLUE CLAY AND GRAVEL 851 HARD SANDY CLAY AND GRAVEL 160.

DIAMETER OF WELL1 8 INCHES  
LENGTH OF CASING1 120 FEET  
LENGTH OF SCREEN1 10 FEET  
DEPTH OF WELL1 130 FEET

PUMP RATE1 N.A.  
SPEC. CAP1 N.A.  
AQUIFER 1 GRAVEL  
QUALITY 1 FRESH

1978

DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				28.60					30.41	30.47	31.26	30.85	1
2				28.63					30.71	30.45	31.29	30.86	2
3				28.58					30.82	30.44	31.33	30.66	3
4				28.56					30.88	30.44	31.30	30.42	4
5				28.61					31.03	30.41	31.17	30.52	5
6				28.61					31.11	30.37	31.17	30.62	6
7				28.56					31.07	30.38	31.25	30.73	7
8				28.56					31.03	30.32	31.20	30.66	8
9				28.45					31.00	30.26	31.16	30.53	9
10									30.79	30.26	31.19	30.41	10
11									30.68	30.29	31.22	30.40	11
12									30.73	30.30	31.16	30.48	12
13									30.73	30.48	31.07	30.49	13
14									30.73	30.52	31.01	30.52	14
15									30.73	30.49	31.03	30.48	15
16									30.73	30.55	31.06	30.44	16
17									30.73		30.99	30.40	17
18									30.70		30.94	30.41	18
19									30.69		30.95	30.51	19
20									30.73		31.01	30.47	20
21									30.71		31.10	30.49	21
22									30.72		31.11	30.64	22
23			29.10						30.73		30.94	30.63	23
24			29.12						30.55		30.83	30.48	24
25			28.93					30.07	30.48		30.91	30.29	25
26	28.30		28.68					30.05	30.56	31.04	30.93	30.33	26
27	28.40		28.54					29.96	30.57	31.14	30.89	30.42	27
28	28.51		28.66					29.86	30.56	31.18	30.83	30.60	28
29	28.59		28.73					30.00	30.60	31.18	30.85	30.71	29
30			28.81					30.17	30.51	31.17	30.83	30.69	30
31			28.79					30.38		31.24		30.45	31
-MONTHLY SUMMARY-													
MEAN									30.73		31.07	30.54	MEAN
INST									30.34		30.80	30.26	INST
MAX									( 1 )		(24)	(25)	MAX
INST									31.15		31.35	30.90	INST
MIN									( 5 )		( 4 )	( 2 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 221  
TOWNSHIP OF MOSA

RANGE 2

LOT 13

WELL REC #1 4106416  
UTM CO-ORD1 Z-17 F440900 N4723040  
LAT & LONG1 42-40NORTH 81-43WEST

R/C METHOD1: STEEL TAPE  
R/C COMMCD: OCT. 11 1968  
MEASURE PT1: 0.5 FEET ABOVE GROUND SURFACE  
GND ELEV1: 685 FEET ABOVE SEA LEVEL  
WELL TYPE1: DRILLED  
WELL LOG1: OVERBURDEN (BLUE CLAY AND QUICKSAND) 134.

DIAMETER OF WELL1 4 INCHES  
LENGTH OF CASING1 134 FEET  
LENGTH OF SCREEN1 NONE  
DEPTH OF WELL1 134 FEET

PUMP RATE1 N.A.  
SPEC. CAP1 N.A.  
AQUIFER 1 QUICKSAND  
QUALITY 1 N.A.

1978

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
24/ 53.11											

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 029

TOWNSHIP OF WESTMINSTER

GORE

LOT 48

WELL REC #1 4103521  
UTM CO-ORD: Z=17 E471660 N4753600  
LAT & LONG: 42=56NORTH 82=21WEST

REC METHOD: A35 RECORDER  
REC COMMD: JAN 24 1952  
MEASURE PT: 3.6 FEET ABOVE GROUND SURFACE  
GND ELEV: 405 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 4% GRAVEL AND FINE SAND 30% GRAVEL AND FINE SAND 61% BLUE CLAY AND GRAVEL 74% GRAVEL AND CLAY 90% BLUE CLAY 96% BEDROCK 96.

DIAMETER OF WELL: 8 INCHES  
LENGTH OF CASING: 96 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 96 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SAND & GRAVEL  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.18												1
2	4.18												2
3	4.19												3
4	4.20												4
5	4.22												5
6	4.23												6
7	4.25												7
8	4.26												8
9	4.26												9
10	4.27												10
11	4.29												11
12	4.31												12
13	4.33												13
14	4.36												14
15	4.39												15
16	4.40												16
17	4.42												17
18	4.44												18
19													19
20													20
21													21
22													22
23													23
24													24
25													25
26													26
27													27
28													28
29													29
30													30
31													31

-MONTHLY SUMMARY-

MEAN													MEAN
INST													INST
MAX													MAX
INST													INST
MIN													MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 071

TOWNSHIP OF WESTMINSTER

MTN E

LOT 62

WELL REC #1 4105706  
UTM CO-ORD: Z=17 E478438 N4747840  
LAT & LONG: 42=53NORTH 81=16WEST

REC METHOD: A35 RECORDER  
REC COMMD: OCT 16 1958  
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 862 FEET ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: CLAY 45.

DIAMETER OF WELL: 36 INCHES  
LENGTH OF CASING: 45 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 45 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: CLAY  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.98				5.35	6.57	7.32	7.91	8.39		9.20	9.35	1
2					5.42	6.61	7.34	7.93	8.41	8.90	9.20	9.35	2
3					5.49	6.63	7.35	7.95	8.42	8.91	9.22	9.20	3
4					5.55	6.66	7.38	7.96	8.44	8.92	9.23	8.74	4
5					5.62	6.69	7.41	7.97	8.46	8.92	9.24	8.61	5
6					5.68	6.73	7.43	7.99	8.47	8.93	9.25	8.55	6
7					5.74	6.75	7.45	8.02	8.50	8.94	9.25	8.47	7
8					5.80	6.77	7.47	8.03	8.51	8.95	9.27	8.25	8
9					5.85	6.80	7.50	8.04	8.53	8.96	9.27	8.12	9
10					5.90	6.83	7.52	8.05	8.54	8.98	9.28	8.07	10
11					5.96	6.85	7.53	8.06	8.56	8.99	9.30	8.04	11
12					5.99	6.88	7.57	8.08	8.57	8.99	9.31	8.04	12
13					6.01	6.91	7.59	8.09	8.59	9.01	9.32	8.04	13
14					6.01	6.93	7.61	8.11	8.61	9.01	9.32	8.04	14
15					6.03	6.96	7.63	8.13	8.61	9.02	9.34	8.04	15
16					6.07	6.98	7.66	8.16	8.62	9.04	9.35	8.04	16
17					6.10	7.01	7.67	8.18	8.63	9.05	9.34	8.04	17
18					6.13	7.04	7.68	8.18	8.65	9.06	9.33	8.04	18
19				4.39	6.16	7.06	7.71	8.20	8.65	9.07	9.33	8.04	19
20				4.47	6.19	7.08	7.73	8.21	8.67	9.08	9.34	8.05	20
21				4.56	6.21	7.11	7.75	8.22	8.68	9.09	9.35	8.02	21
22				4.64	6.23	7.13	7.77	8.24	8.69	9.10	9.35	8.02	22
23				4.71	6.26	7.16	7.78	8.25	8.71	9.11	9.36	8.01	23
24				4.80	6.29	7.17	7.80	8.27	8.72	9.12	9.36	8.02	24
25				4.89	6.31	7.19	7.82	8.29	8.73	9.13	9.36	8.01	25
26				4.97	6.35	7.21	7.83	8.30	8.75	9.14	9.36	8.01	26
27				5.05	6.37	7.24	7.84	8.31	8.76	9.14	9.35	8.01	27
28				5.13	6.42	7.25	7.86	8.33	8.78	9.15	9.35	8.02	28
29				5.20	6.46	7.28	7.87	8.34	8.80	9.16	9.35	8.02	29
30				5.28	6.50	7.30	7.88	8.36		9.17	9.35	8.01	30
31					6.54		7.90	8.38		9.18		7.64	31

-MONTHLY SUMMARY-

MEAN					6.03	6.96	7.63	8.15			9.31	8.22	MEAN
INST					5.31	6.55	7.31	7.91			9.19	7.44	INST
MAX					( 1 )	( 1 )	( 1 )	( 1 )			( 1 )	( 31 )	MAX
INST					6.55	7.31	7.91	8.38			9.36	9.35	INST
MIN					( 31 )	( 30 )	( 31 )	( 31 )			( 24 )	( 1 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 091  
TOWNSHIP OF WESTMINSTER

CONC. 8  
LOT 15

WELL REC #1 4103839  
UTM CO-ORD: Z-17 E4R4160 N4745410  
LAT & LONG: 42-52N00RTH 81-12WEST

REC METHOD: A35 RECORDER  
REC COMMD: APR. 14 1961  
MEASURE PT: 3.5 FEET ABOVE GROUND SURFACE  
GND ELEV: 865 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 0.51 BROWN CLAY 101 GREY CLAY WITH SILT 611 FINE SAND AND CLAY 641 SANDY CLAY, SOME GRAVEL 1211 HARD PACKED CLAY, SAND AND GRAVEL 1261 CLAY, SAND AND GRAVEL 1421 GRAVEL, SAND AND CLAY 1821 CLAY, GRAVEL AND SAND 1931 HARD PACKED CLAY, SAND, GRAVEL AND ODD ROULDERS 1981 GRAVEL, SAND AND SILT 2271 GRAVEL, SAND, SILT AND CLAY 2281 CLAY, DIRTY SAND, GRAVEL AND SILT 232.

DIAMETER OF WELL: 10 INCHES  
LENGTH OF CASING: 197 FEET  
LENGTH OF SCREEN: 35 FEET  
DEPTH OF WELL: 232 FEET

PUMP RATE: 16 IGPM  
SPEC. CAP: 8.05 IGPM/FT  
AQUIFER : CLAY, SAND, GRAVEL  
QUALITY : FRESH

1978

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	66.80				65.87	65.74	65.75	65.52	65.52	65.30	65.47	65.09	1
2					65.86	65.72	65.70	65.58	65.50	65.35	65.42	65.14	2
3					65.87	65.74	65.62	65.54	65.46	65.27	65.41	65.15	3
4					65.81	65.74	65.64	65.63	65.47	65.12	65.36	64.88	4
5					65.70	65.73	65.72	65.69	65.47	65.16	65.33		5
6					65.81	65.74	65.75	65.71	65.45	65.01	65.29		6
7					65.95	65.65	65.75	65.71	65.42	65.07	65.28		7
8					65.81	65.63	65.73	65.63	65.42	65.20	65.29		8
9					65.60	65.64	65.73	65.56	65.46	65.29	65.25		9
10					65.69	65.77	65.71	65.54	65.47	65.33	65.28		10
11					65.79	65.76	65.74	65.55	65.40	65.29	65.34		11
12					65.72	65.68	65.81	65.56	65.35	65.14	65.43		12
13					65.54	65.69	65.74	65.58	65.45	65.17	65.42		13
14					65.50	65.82	65.72	65.64	65.37	65.22	65.27		14
15					65.53	65.89	65.70	65.62	65.25	65.23	65.37		15
16					65.60	65.88	65.64	65.48	65.23	65.27	65.45		16
17					65.63	65.82	65.66	65.44	65.23	65.41	65.34		17
18					65.72	65.78	65.71	65.46	65.24	65.39	65.21		18
19					65.79	65.82	65.75	65.43	65.30	65.26	65.37		19
20				65.82	65.70	65.73	65.80	65.79	65.53	65.31	65.22	65.50	20
21				65.73	65.73	65.77	65.71	65.79	65.60	65.29	65.22	65.52	21
22				65.92	65.87	65.74	65.69	65.62	65.43	65.22	65.51		22
23				65.98	65.83	65.80	65.68	65.58	65.56	65.25	65.29		23
24				65.98	65.79	65.79	65.72	65.50	65.51	65.28	65.11		24
25				65.99	65.83	65.76	65.69	65.49	65.46	65.15	65.17		25
26				66.03	65.90	65.64	65.57	65.49	65.46	65.04	65.26		26
27				66.01	65.92	65.62	65.41	65.48	65.36	65.12	65.16		27
28				65.96	65.93	65.72	65.51	65.38	65.37	65.24	65.04		28
29				65.92	65.86	65.75	65.44	65.31	65.41	65.42	65.12		29
30				65.92	65.78	65.74	65.45	65.41	65.34	65.50	65.05		30
31					65.73		65.49	65.45		65.47			31
-MONTHLY SUMMARY-													
MEAN					65.77	65.74	65.67	65.54	65.40	65.25	65.31		MEAN
INST					65.49	65.51	65.39	65.28	65.22	64.99	64.97		INST
MAX					(15)	( 8)	(27)	(28)	(16)	(26)	(28)		MAX
INST					65.99	65.92	65.84	65.73	65.58	65.51	65.53		INST
MIN					( 7)	(16)	(21)	( 6)	(23)	(30)	(22)		MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 513  
TOWNSHIP OF WESTMINSTER

CONC. 5  
LOT 22

WELL REC #1 4103738  
UTM CO-ORD: Z-17 E479040 N4748890  
LAT & LONG: 42-54N00RTH 81-15WEST

REC METHOD: STEEL TAPE  
REC COMMD: AUG 9 1959  
MEASURE PT: 5.4 FEET ABOVE GROUND SURFACE  
GND ELEV: 845 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 1; FINE SAND 8; BLUE CLAY 48; CLAY AND GRAVEL 80; BLUE CLAY AND GRAVEL 94; CLAY AND GRAVEL 99; GRAVEL AND MIXED SAND 103; CLAY AND GRAVEL 104; GRAVEL AND MIXED SAND 118; FINE SAND 125; MIXED SAND AND SILT, CLAY 129 GRAVEL AND FINE SAND 139; GRAVEL 144.

DIAMETER OF WELL: 10 INCHES  
LENGTH OF CASING: 102 FEET  
LENGTH OF SCREEN: 10 FEET  
DEPTH OF WELL: 122 FEET

PUMP RATE: 700 IGPM  
SPEC. CAP: 17.9 IGPM/FT  
AQUIFER : GRAVEL  
QUALITY : FRESH

1978

DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
18/ 33.27											

STONY TILL 19; SILTY CLAY 25; STONY TILL 32; FINE SAND 45; COARSE SAND 53; MUDDY COARSE SAND 55; VERY COARSE SAND 56.

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
									25/ 1.80		

ENVIRONMENT ONTARIO  
TORONTO  
OXFORD COUNTY

OBSERVATION WELL 177

TOWNSHIP OF S. NORWICH

CUNC, 9

LOT 2

WELL REC #1 4702076  
UTM CO-ORD1 Z=17 E524100 N4750750  
LAT & LONG1 42=55NORTH 80=42WEST

REC METHOD1 A35 RECORDER  
REC COMMCD1 MAY 26 1966  
MEASURE PT1 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV1 850 FEET ABOVE SEA LEVEL  
WELL TYPE1 DRILLED  
WELL LOG1 BLACK LOAM 1; FINE BROWN SAND 10; FINE QUICK SAND 38; GREY CLAY 52; GRAVEL LAYER 53; CLAY WITH GRAVEL 60; GRAVEL 61; SAND 65; QUICK SAND 76; CLAY AND SILT 88; HARD CLAY WITH STONES 112; LIMESTONE BEDROCK 123.

DIAMETER OF WELL1 7 INCHES  
LENGTH OF CASING1 110 FEET  
LENGTH OF SCREEN1 NONE  
DEPTH OF WELL1 123 FEET

PUMP RATE1 17 IGPM  
SPEC. CAP1 17.0 IGPM/FT  
AQUIFER 1 LIMESTONE  
QUALITY 1 SULPHUR

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	43.17										43.57	42.44	1
2	43.17										43.57	42.31	2
3	43.20										43.57	42.11	3
4	43.24										43.57	41.83	4
5	43.25										43.58	41.59	5
6	43.25										43.58	41.58	6
7	43.21										43.61	41.59	7
8	43.05										43.64	41.55	8
9	43.04										43.66	41.37	9
10	43.04										43.69	41.31	10
11	43.05										43.73	41.31	11
12	43.08										43.78	41.29	12
13	43.08										43.83	40.94	13
14											43.85	40.86	14
15											43.89	40.79	15
16											43.94	40.74	16
17											43.97	40.64	17
18											43.98	40.63	18
19											44.02	40.63	19
20											44.07	40.42	20
21											44.11	39.98	21
22											44.13	39.99	22
23											44.05	40.03	23
24											43.86	40.06	24
25											43.83	40.07	25
26										43.53	43.67	40.07	26
27										43.52	43.20	40.09	27
28										43.52	42.90	40.13	28
29										43.53	42.80	40.16	29
30										43.55	42.49	40.16	30
31										43.56		40.16	31

-MONTHLY SUMMARY-

MEAN											43.67	40.86	MEAN
INST											42.49	39.98	INST
MAX											(30)	(21)	MAX
INST											44.14	42.49	INST
MIN											(23)	(1)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
PERTH COUNTY

OBSERVATION WELL 045

TOWNSHIP OF BLANSHARD

WB

LOT 11

WELL REC #1 5001877  
UTM CO-ORD1 Z=17 E474275 N4795450  
LAT & LONG1 43=19NORTH 81=18WEST

REC METHOD1 A35 RECORDER  
REC COMMCD1 MAY 26 1970  
MEASURE PT1 1.1 FEET ABOVE GROUND SURFACE  
GND ELEV1 1175 FEET ABOVE SEA LEVEL  
WELL TYPE1 DRILLED  
WELL LOG1 BROWN SAND AND CLAY FILL 2; SAND, GRAVEL 6; COARSE GRAVEL AND SMALL STONES 35; COARSE SAND, YELLOWISH CLAY 36.

DIAMETER OF WELL1 4 INCHES  
LENGTH OF CASING1 32 FEET  
LENGTH OF SCREEN1 4 FEET  
DEPTH OF WELL1 36 FEET

PUMP RATE1 15 IGPM  
SPEC. CAP1 N.A.  
AQUIFER 1 GRAVEL  
QUALITY 1 FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	4.29	4.54	5.68	3.57	3.58					9.19	8.89	8.55	1
2	4.41	4.59	5.71	2.30	3.67			8.27		9.19	8.91	8.60	2
3	4.51	4.63	5.73	2.22	3.74			8.31		9.19	8.93	8.65	3
4	4.53	4.69	5.79	2.70	3.80			8.36		9.20	8.96	8.38	4
5	4.53	4.73	5.82	2.37	3.85			8.43		9.16	8.98	7.85	5
6	4.55	4.77	5.87	2.20	3.91			8.49		9.07	9.01	7.78	6
7	4.57	4.82	5.92	2.10	4.00			8.55		8.76	9.03	7.81	7
8	4.54	4.88	5.97	2.37	4.02			8.62		8.24	9.06	7.81	8
9	4.46	4.92	6.01	2.52	3.83			8.67		8.04	9.09	7.65	9
10	4.39	4.97	6.03	2.44	3.82			8.69		8.01	9.10	7.60	10
11	4.23	5.03	6.07	1.94	3.86			8.75		8.04	9.11	7.63	11
12	4.20	5.07	6.10	2.26	3.86			8.80		8.09	9.11	7.69	12
13	4.20	5.10	6.14	2.43	3.80			8.86		8.18	9.10	7.75	13
14	4.21	5.15	6.09	2.49	3.75			8.91		8.27	9.10	7.83	14
15	4.23	5.19	5.92	2.46	3.77			8.96		8.35	9.11	7.88	15
16	4.26	5.25	5.82	2.50	3.83			8.93		8.43	9.11	7.90	16
17	4.30	5.29	5.76	2.54	3.90			8.92		8.50	9.11	7.94	17
18	4.35	5.32	5.67	2.58	3.98			8.92	9.05	8.55	9.07	7.98	18
19	4.39	5.35	5.65	2.61	4.04			8.94	8.70	8.61	8.98	8.00	19
20	4.43	5.39	5.65	2.65	4.06			8.95	8.59	8.66	8.95	8.04	20
21	4.48	5.42	5.27	2.74	3.89			8.95	8.60	8.71	8.94	8.10	21
22	4.53	5.46	4.69	2.81	3.97			8.96	8.66	8.75	8.96	8.10	22
23	4.57	5.51	4.28	2.88	4.06			8.99	8.72	8.80	8.95	8.10	23
24	4.60	5.56	3.98	2.98	4.13			9.03	8.81	8.85	8.73	8.12	24
25	4.62	5.57	4.09	3.07	4.21			9.05	8.89	8.87	8.52	8.14	25
26	4.59	5.59	4.29	3.17	4.28			9.08	8.98	8.87	8.43	8.18	26
27	4.51	5.62	4.43	3.27	4.32				9.06	8.86	8.43	8.21	27
28	4.47	5.65	4.53	3.35					9.13	8.86	8.44	8.25	28
29	4.46		4.59	3.44					9.18	8.86	8.47	8.27	29
30	4.47		4.61	3.51					9.19	8.85	8.51	8.29	30
31	4.49		4.40							8.87		8.26	31

-MONTHLY SUMMARY-

MEAN	4.43	5.14	5.37	2.68						8.67	8.90	8.04	MEAN
INST	4.20	4.52	3.93	1.84						8.01	8.43	7.60	INST
MAX	(12)	(1)	(24)	(3)						(9)	(26)	(10)	MAX
INST	4.64	5.66	6.14	4.16						9.20	9.11	8.66	INST
MIN	(26)	(24)	(13)	(1)						(4)	(17)	(3)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
PERTH COUNTY

OBSERVATION WELL 182  
TOWN OF STRATFORD

CONEC. -     LOT -

WELL REC #1: 5001349  
UTM CO-ORDS: Z=17 E503000 N4802260  
LAT & LONG: 43-23NORTH 80-58WEST

REC METHOD: A35 RECURDED  
REC COMMOD: SEP 15 1966  
MEASURE PT: 1.5 FEET ABOVE GROUND SURFACE  
GND ELEV: 1000 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 3: SAND AND GRAVEL 6: YELLOW CLAY 15: YELLOW CLAY AND BOULDERS 25: GREY HARDPAN 103: CEMENTED GRAVEL 115: COARSE GRAVEL 120: CEMENTED GRAVEL 127: BROWN LIMESTONE 345: BROWN LIMESTONE 415: SOFT WHITE LIMESTONE 435: GREY SHALE 440.

DIAMETER OF WELL: 14 INCHES  
LENGTH OF CASING: 126 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 440 FEET

PUMP RATE: 520 IGPM  
SPEC. CAP: 10.8 IGPM/FT  
AQUIFER: LIMESTONE  
QUALITY: FRESH

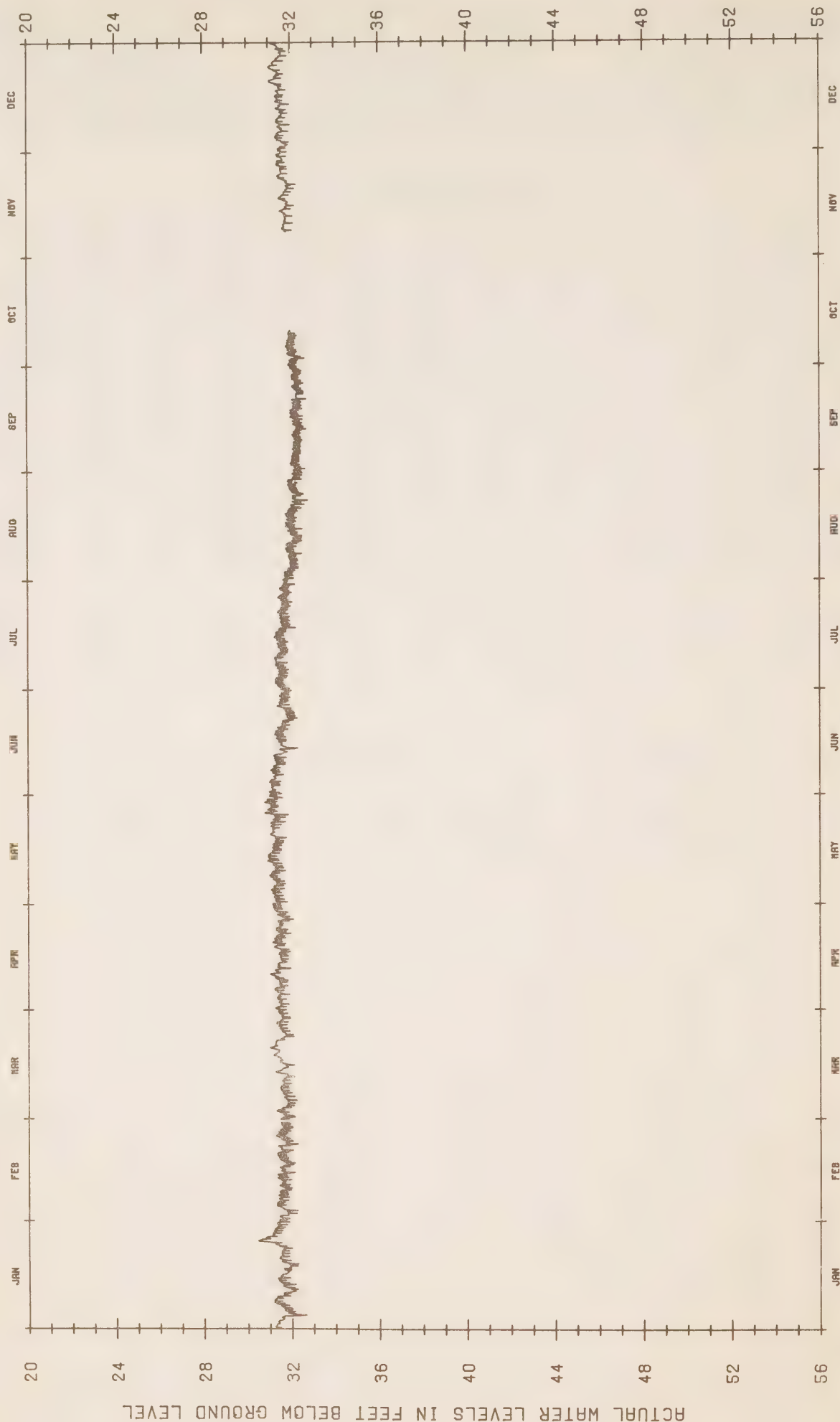
1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	57.66	61.32	63.54	60.56	60.52	65.31	67.29	59.98	68.31	65.38	65.76	62.44	1
2	56.26	61.52	63.83	61.67	60.31	65.42	65.40	61.38	66.05	64.85	65.76	61.93	2
3	58.80	62.09	63.38	60.88	61.28	63.92	64.21	61.42	65.13	65.62	65.94	57.52	3
4	60.23	60.76	61.89	59.98	61.57	63.73	64.09	60.30	64.24	66.49	65.38	59.06	4
5	59.64	60.39	62.35	61.65	61.85	63.12	65.40	59.55	65.42	66.88	60.46	61.72	5
6	60.17	60.74	62.63	62.52	60.75	64.93	65.39	61.50	67.86	66.97	61.68	62.77	6
7	58.85	62.05	62.69	62.37	54.74	65.91	66.81	61.30	68.46	66.31	60.94	63.31	7
8	59.44	62.23	63.47	59.82	59.83	64.90	66.63	62.32	66.38	65.64	61.35	63.51	8
9	59.32	62.85	63.53	54.61	60.81	65.31	65.36	63.73	64.78	62.37	61.24	62.57	9
10	59.36	63.11	63.60	59.01	61.79	64.84	65.55	65.62	65.90	63.38	61.34	57.57	10
11	60.01	62.60	61.63	59.78	62.43	64.36	67.10	64.86	66.46	65.15	60.18	59.62	11
12	60.02	61.82	56.25	60.18	62.43	65.05	68.55	64.74	68.48	65.32	57.73	62.55	12
13	61.04	61.89	60.18	62.21	59.43	64.19	70.92	64.35	69.99	65.96	57.01	62.66	13
14	59.84	62.77	62.49	61.20	60.43	64.74	70.14	66.85	70.16	65.07	57.38	63.08	14
15	60.13	63.27	63.32	59.23	61.00	65.69	68.18	69.32	69.75	60.28	61.56	63.16	15
16	60.54	63.62	63.67	60.16	62.16	65.72	64.65	69.28	66.27	63.98	61.31	61.61	16
17	61.39	63.74	63.83	60.17	62.57	65.07	65.70	69.14	63.80	65.03	61.33	57.64	17
18	61.72	63.33	61.95	60.56	63.23	58.37	68.43	69.42	65.15	63.97	59.16	59.25	18
19	62.41	62.39	56.33	59.31	63.70	62.03	71.18	69.05	65.24	61.00	58.10	62.23	19
20	62.51	62.44	60.08	59.73	62.80	64.98	70.46	64.89	66.88	65.86	61.21	62.46	20
21	62.11	62.01	62.17	60.82	54.79	65.25	69.25	66.86	66.03	64.64	62.89	62.51	21
22	61.83	62.09	62.63	59.53	53.99	64.36	63.58	66.92	66.42	64.45	59.10	62.69	22
23	62.03	62.23	62.44	59.25	60.03	64.71	64.87	68.32	65.85	64.58	61.04	62.03	23
24	62.47	62.23	55.83	59.44	62.14	65.77	65.19	68.85	65.37	65.40	61.40	61.01	24
25	62.61	61.19	58.97	60.32	63.04	65.18	63.58	66.94	65.55	65.59	62.77	57.85	25
26	61.59	61.39	60.57	60.82	63.88	65.20	63.37	65.06	66.47	66.07	62.62	53.57	26
27	54.55	62.17	60.90	61.39	63.14	67.13	62.21	63.64	66.73	66.54	62.49	56.20	27
28	58.80	62.81	61.93	61.77	63.09	70.05	62.90	64.42	66.69	65.92	63.22	57.57	28
29	54.16		62.63	59.44	63.45	70.82	60.44	65.92	68.88	64.98	63.49	57.65	29
30	58.28		62.93	60.63	65.32	70.12	56.76	68.04	66.53	64.87	63.14	56.96	30
31	60.42		62.39		65.05		58.40	67.93		65.45		58.20	31
-MONTHLY SUMMARY-													
MEAN	60.07	62.18	61.74	60.30	61.34	65.21	65.55	65.22	66.67	64.97	61.57	60.42	MEAN
INST MAX	50.65 ( 2 )	54.23 ( 5 )	53.03 (13)	52.01 ( 9 )	52.11 (22)	54.99 (19)	53.80 (31)	54.70 ( 5 )	59.63 (17)	54.65 (19)	53.66 (14)	51.72 (27)	INST MAX
INST MIN	63.33 (19)	64.61 (17)	64.62 (16)	65.56 (13)	67.93 (30)	71.56 (30)	71.40 (20)	70.94 (24)	71.27 (14)	68.87 (20)	68.56 (21)	64.20 ( 9 )	INST MIN

OBSERVATION WELL 164  
TOWNSHIP OF SANDWICH E.

1978

ENVIRONMENT ONTARIO



OBSERVATION WELL 170  
TOWNSHIP OF S. COLCHESTER

1978

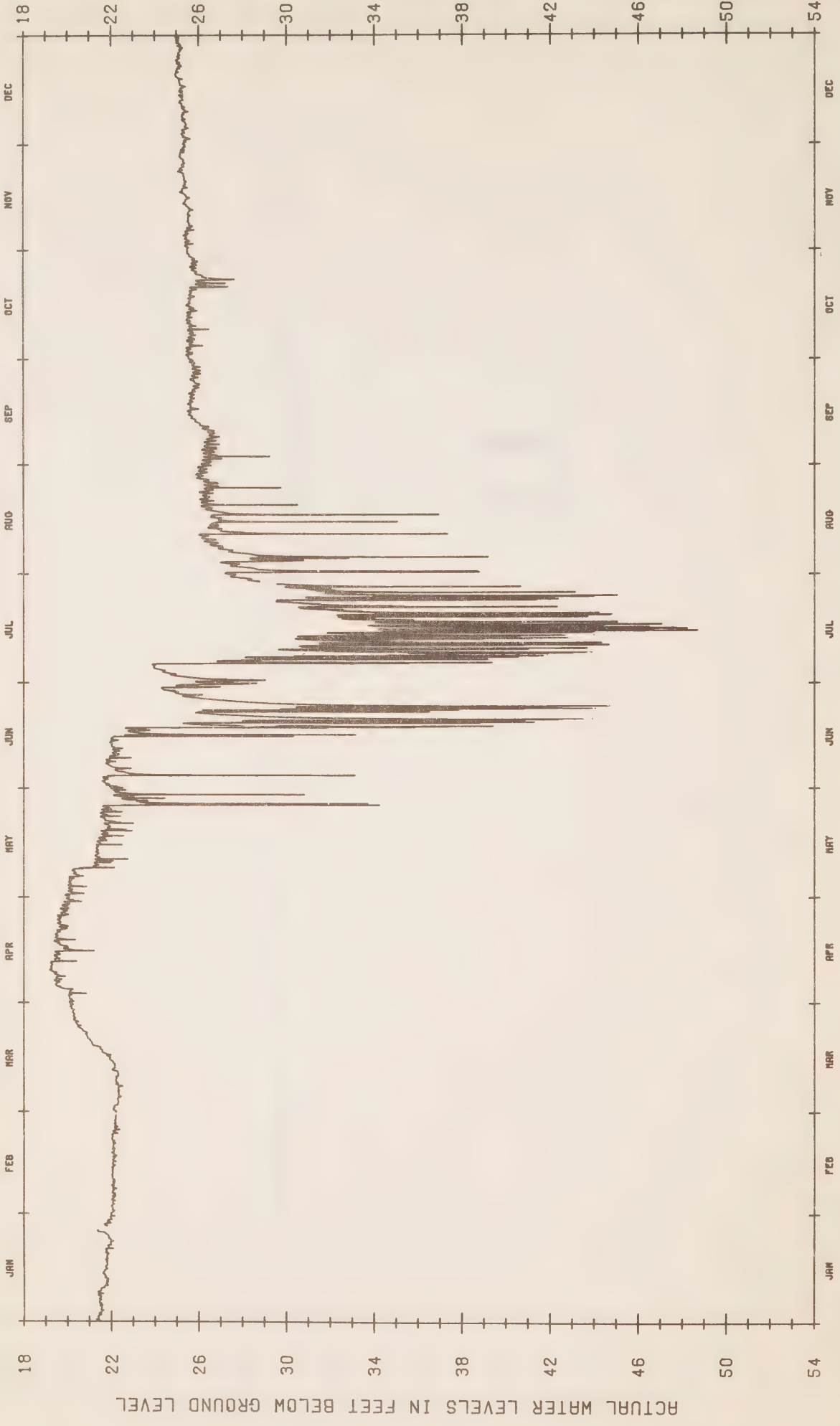
ENVIRONMENT ONTARIO



OBSERVATION WELL 222  
TOWNSHIP OF S. COLCHESTER

1978

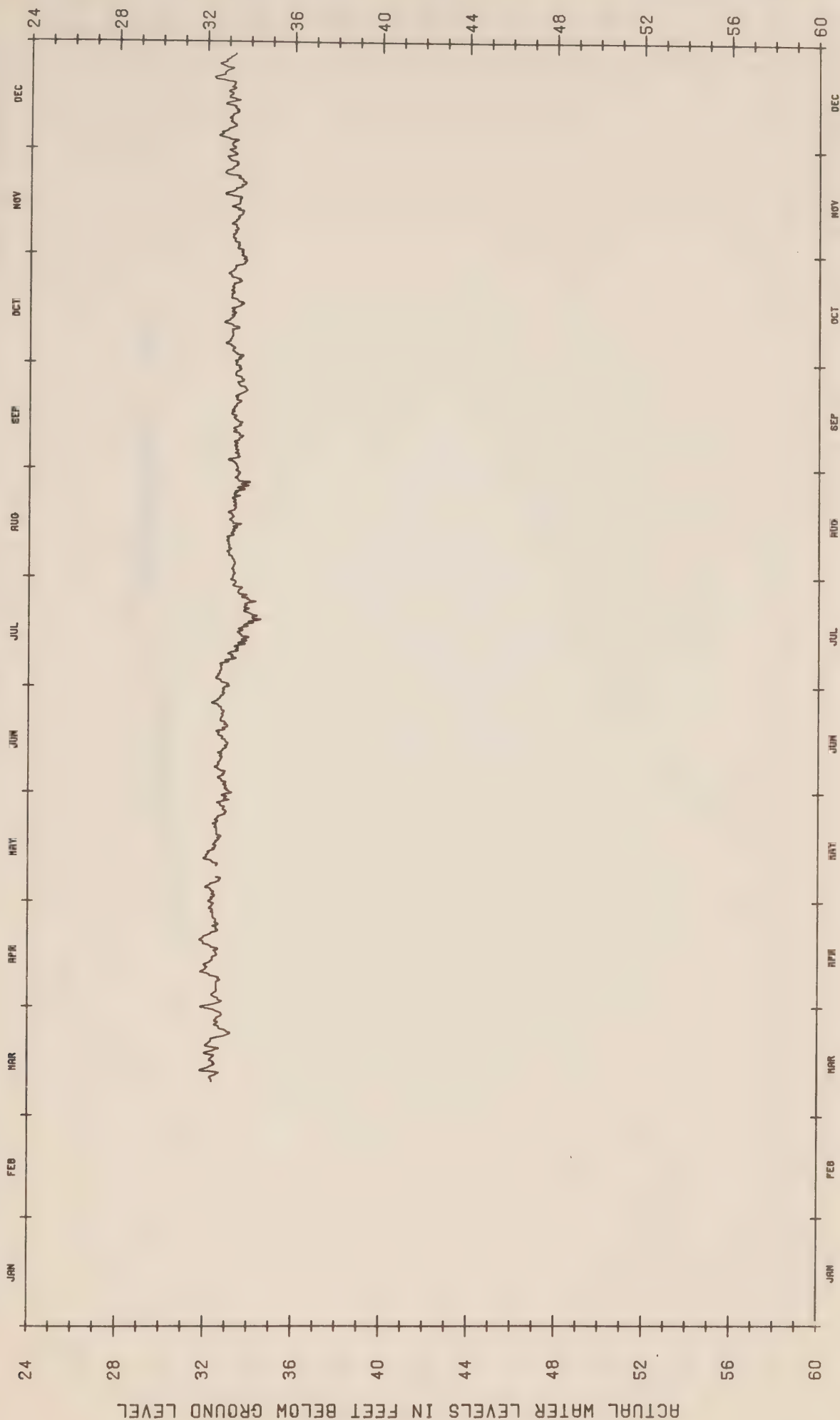
ENVIRONMENT ONTARIO



OBSERVATION WELL 207  
VILLAGE OF ALVINSTON

1978

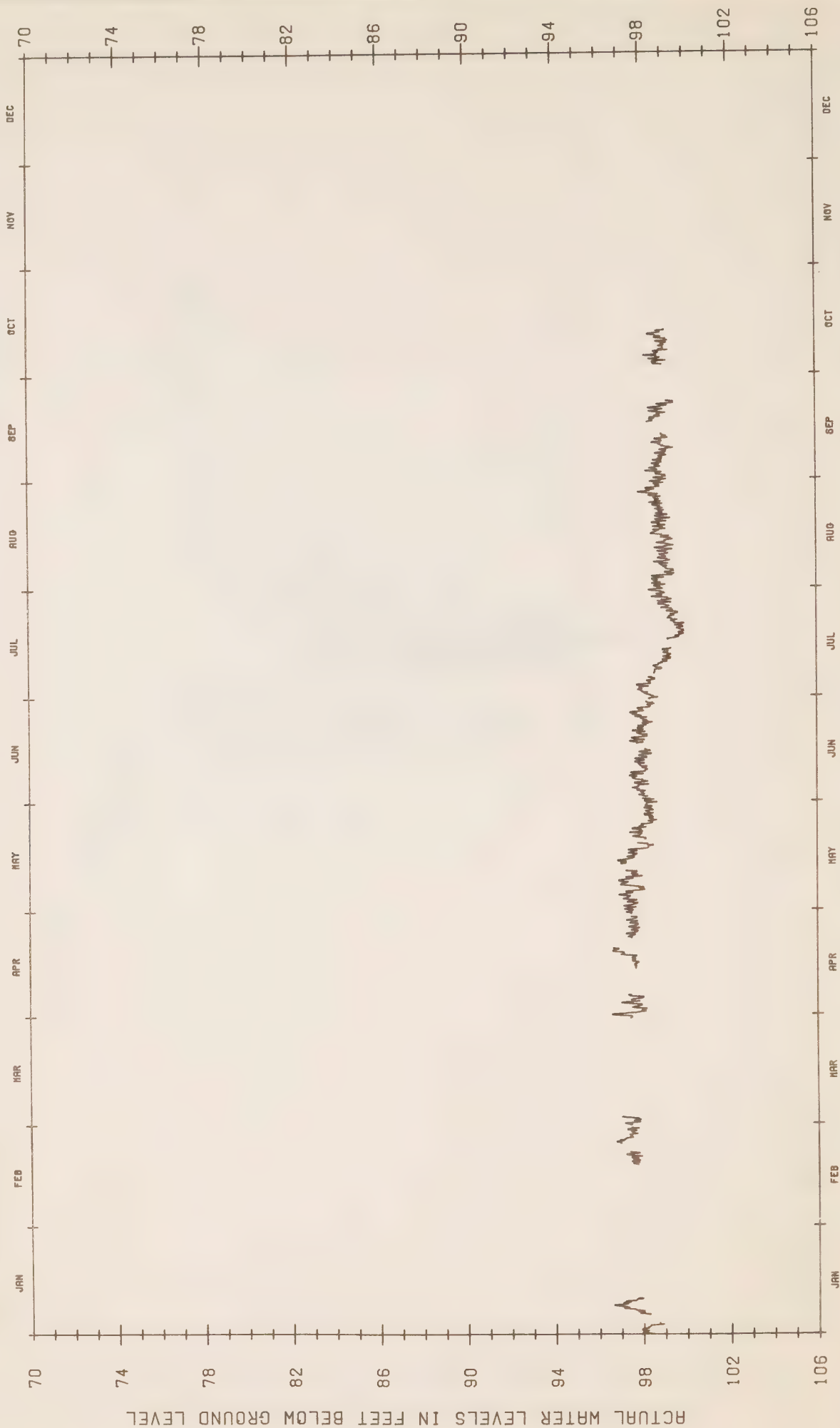
ENVIRONMENT ONTARIO



OBSERVATION WELL 056  
TOWN OF FOREST

1978

ENVIRONMENT ONTARIO



OBSERVATION WELL 206  
TOWNSHIP OF CARADOC

1978

ENVIRONMENT ONTARIO



OBSERVATION WELL 071  
TOWNSHIP OF WESTMINSTER

1978

ENVIRONMENT ONTARIO



OBSERVATION WELL 091  
TOWNSHIP OF WESTMINSTER

1978

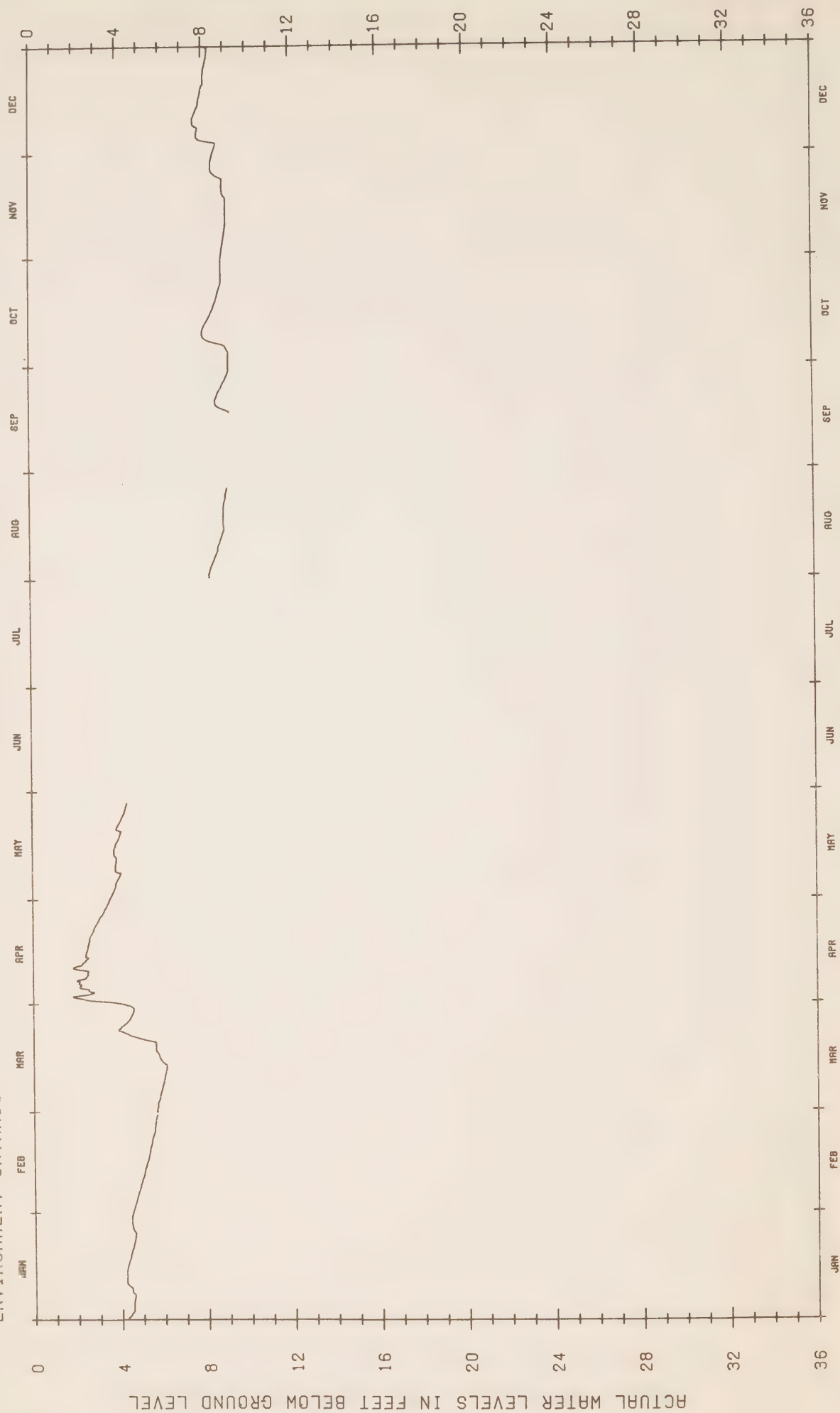
ENVIRONMENT ONTARIO



OBSERVATION WELL 045  
TOWNSHIP OF BLANSHARD

1978

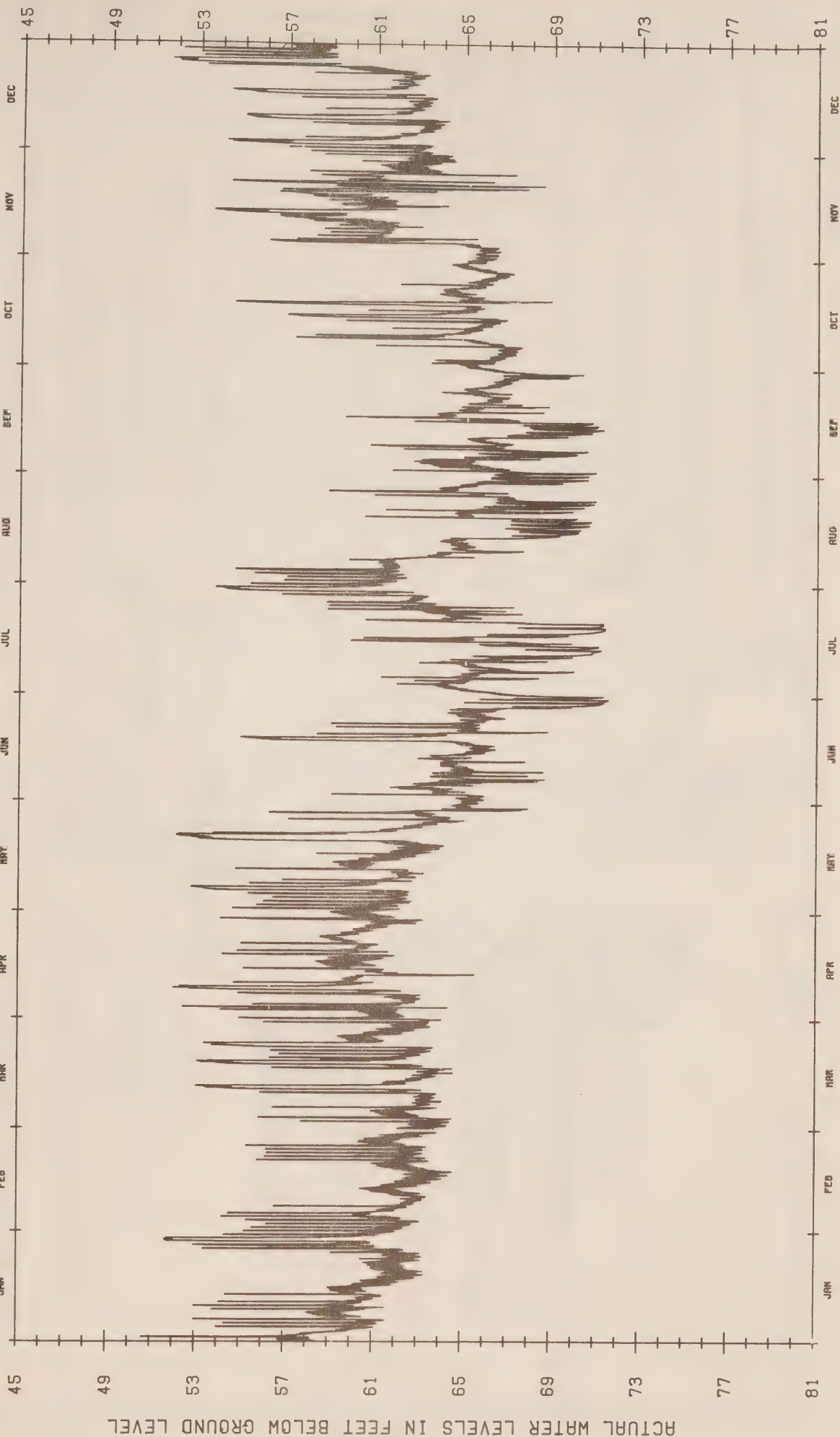
ENVIRONMENT ONTARIO



OBSERVATION WELL 182  
TOWN OF STRATFORD

1978

ENVIRONMENT ONTARIO





ENVIRONMENT ONTARIO  
TORONTO  
R. M. OF HALDIMAND - NORFOLK  
OBSERVATION WELL 413  
TOWNSHIP OF MIDDLETON  
STR 4  
LOT 23  
WELL REC #1 4400966  
UTM CO-ORDS: Z=17 E553400 N4730050  
LAT & LONG: 42=48NORTH 80=36WEST  
REC METHOD: A35 RECORDER  
REC COMMCD: FEB 1966  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 760 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK LOAM 2; MEDIUM SAND 20; QUICKSAND 35; BLUE CLAY 36,  
DIA. OF WELL: 5 INCHES  
LENGTH OF CASING: 34 FEET  
LENGTH OF SCREEN: 2 FEET  
DEPTH OF WELL: 36 FEET  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SAND AND CLAY  
QUALITY: FRESH

E - ESTIMATED

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		2.68 E	3.90 E				4.85	6.04	6.45	4.93	4.14	3.48	1
2		2.75 E	3.93 E				4.89	6.07	6.50	4.95	4.16	3.47	2
3		2.84 E	3.93 E				4.92	6.03	6.53	4.96	4.20	3.45	3
4		2.91 E	3.96 E				4.94	5.87	6.54	4.89	4.22	3.10	4
5		2.96 E	4.00 E				4.99	5.81	6.55	4.69	4.24	2.85	5
6		3.03 E	4.03 E				5.06	5.79	6.56	4.47	4.27	2.83	6
7		3.09 E	4.06 E				5.12	5.71	6.59	4.04	4.31	2.85	7
8		3.15 E	4.07 E				5.18	5.77	6.48	3.87	4.33	2.79	8
9		3.20 E	4.08 E				5.23	5.77	6.19	3.83	4.33	2.61	9
10		3.23 E	4.09 E				5.29	5.77	6.05	3.84	4.37	2.63	10
11		3.27 E	4.13 E				5.35	5.77	5.98	3.85	4.40	2.78	11
12		3.30 E	4.17 E				5.40	5.80	5.93	3.88	4.43	2.91	12
13		3.34 E	4.19 E				5.46	5.84	5.92	3.93	4.45	2.97	13
14		3.38 E	4.03 E			3.72	5.49	5.90	5.90	3.94	4.44	3.04	14
15	2.44 E	3.43 E	3.29 E			3.80	5.56	5.97	5.63	3.94	4.37	3.10	15
16	2.57 E	3.47 E	2.84 E			3.88	5.61	6.00	5.28	3.97	4.33	3.15	16
17	2.66 E	3.51 E	2.61 E			3.93	5.67	6.02	5.14	4.03	4.27	3.19	17
18	2.72 E	3.53 E	2.55 E			4.00	5.75	6.05	5.03	4.05	4.03	3.21	18
19	2.79 E	3.57 E	2.49 E			4.07	5.82	6.08	4.71	4.09	3.84	3.28	19
20	2.83 E	3.60 E				4.14	5.89	6.12	4.83	4.05	3.88	3.24	20
21	2.88 E	3.64 E				4.20	5.96	6.16	4.67	4.12	3.84	3.29	21
22	2.95 E	3.68 E				4.26	6.01	6.20	4.67	4.15	3.84	3.32	22
23	3.00 E	3.71 E				4.32	6.07	6.23	4.68	4.19	3.83	3.36	23
24	3.02 E	3.75 E				4.39	6.12	6.26	4.69	4.22	3.59	3.39	24
25	3.03 E	3.79 E				4.45	6.16	6.27	4.71	4.23	3.46	3.41	25
26	2.76 E	3.83 E				4.50	6.20	6.28	4.76	4.22	3.44	3.47	26
27	2.44 E	3.86 E				4.56	6.18	6.31	4.78	4.15	3.44	3.53	27
28	2.42 E	3.87 E				4.64	6.12	6.34	4.84	4.11	3.48	3.59	28
29	2.46 E					4.70	6.07	6.35	4.88	4.11	3.54	3.63	29
30	2.54 E					4.77	6.04	6.38	4.90	4.11	3.53	3.67	30
31	2.61 E						6.02	6.40		4.12		3.66	31

-MONTHLY SUMMARY-

MEAN		3.37					5.59	6.05	5.55	4.19	4.03	3.20	MEAN
INST MAX		2.64 (1)					4.82 (1)	5.77 (10)	4.67 (21)	3.82 (9)	3.43 (27)	2.58 (10)	INST MAX
INST MIN		3.88 (28)					6.21 (26)	6.44 (31)	6.60 (8)	4.96 (3)	4.45 (13)	3.69 (31)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
R. M. OF HALDIMAND - NORFOLK  
OBSERVATION WELL 064  
TOWNSHIP OF N. CAYUGA  
JT  
LOT 23  
WELL REC #1 2600272  
UTM CO-ORDS: Z=17 E592905 N4750410  
LAT & LONG: 43=54NORTH 79=52WEST  
REC METHOD: A35 RECORDER  
REC COMMCD: APR 15 1954  
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 669 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: CLAY 21; LIMESTONE 100,  
DIA. OF WELL: 6 INCHES  
LENGTH OF CASING: 21 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 100 FEET  
PUMP RATE: 5 IGPM  
SPEC. CAP: 0.06 IGPM/FT  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	20.05	20.49	21.28			20.27	21.68	23.31	23.91	24.12			1
2	19.83	20.56	21.51			20.27	21.68	23.40	23.95	24.08			2
3	19.81	20.66	21.48			20.33	21.67	23.36	23.86	23.95			3
4	19.95	20.77	21.34		19.92	20.33	21.77	23.28	23.93	23.77			4
5	19.96	20.68	21.58		19.82	20.31	21.94	23.29	23.99	23.71			5
6	19.93	20.57	21.68		19.93	20.48	22.03	23.28	24.03	23.44			6
7	19.92	20.54	21.84		20.06	20.48	22.05	23.29	24.02	23.39			7
8	20.09	20.59	21.92		19.95	20.38	22.03	23.30	24.06	23.47			8
9	20.42	20.65	21.84		19.74	20.48	22.05	23.30	24.13	23.50			9
10	20.43	20.59	21.67		19.83	20.66	22.11	23.32	24.20	23.41			10
11	20.12	20.52	21.65		19.97	20.68	22.27	23.34	24.10	23.25			11
12	19.99	20.53	21.69		19.91	20.68	22.38	23.36	24.11	22.97			12
13	19.95	20.58	21.89		19.76	20.76	22.35	23.40	24.30	22.93			13
14	19.96	20.58	21.61		19.67	20.95	22.34	23.49	24.27	22.84			14
15	19.98	20.76	21.39		19.70	21.06	22.36	23.50	24.14	22.70			15
16	20.09	20.83	21.59		19.79	21.09	22.38	23.39	24.12	22.63			16
17	20.27	20.86	21.55		19.81	21.04	22.52	23.38	24.18	22.73			17
18	20.22	20.88	21.57		19.87	21.00	22.49	23.46	24.28	22.59			18
19	20.33	20.88	21.41		19.93	21.09	22.79	23.48	24.27				19
20	20.28	20.89	21.53		19.90	21.17	22.82	23.63	24.17				20
21	20.19	20.90	21.31		19.93	21.15	22.83	23.77	24.06				21
22	20.34	20.93	21.21		20.08	21.21	22.86	23.76	24.21				22
23	20.48	20.93			20.13	21.30	22.92	23.85	24.36				23
24	20.45	20.86			20.17	21.36	23.09	23.54	24.23				24
25	20.20	20.86			20.25	21.37	23.12	23.54	24.18				25
26	19.65	21.03			20.31	21.32	23.04	23.59	24.26				26
27	19.60	21.22			20.32	21.40	22.94	23.62	24.16				27
28	19.91	21.26			20.26	21.56	23.09	23.51	24.19				28
29	20.11				20.23	21.61	23.09	23.49	24.30				29
30	20.30				20.21	21.64	23.17	23.68	24.22				30
31	20.39				20.20		23.25	23.77					31

-MONTHLY SUMMARY-

MEAN	20.10	20.76				20.91	22.49	23.47	24.14				MEAN
INST MAX	19.45 (27)	20.41 (1)				20.23 (1)	21.66 (1)	23.26 (1)	23.83 (3)				INST MAX
INST MIN	20.52 (23)	21.26 (28)				21.66 (30)	23.26 (31)	23.83 (31)	24.39 (23)				INST MIN





ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF NIAGARA

OBSERVATION WELL 228

TOWNSHIP OF MAINFLEET

CONC. 5

LOT 37

WELL REC #1 6602409  
UTM CO-ORDS: Z=17 E624861 N4755444  
LAT & LONG: 42=57N04TH 79=28W5T

REC METHOD: A35 RECORDER  
REC COMMD: FEB 26 1969  
MEASURE PT: 3.1 FEET ABOVE GROUND SURFACE  
GND ELEV: 581 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN CLAY 5; BLUE CLAY 48; REDDISH CLAY 70; CLAY AND GRAVEL 110; SALINA LIMESTONE 175;

DIAMETER OF WELL: 5 INCHES  
LENGTH OF CASING: 109 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 175 FEET

PUMP RATE: 40 IGPM  
SPEC. CAP: 0.65 IGPM/FT  
AQUIFER: LIMESTONE  
QUALITY: MINERAL

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						8.60	9.14	10.33	10.20	9.87	9.22	8.91	1
2						8.72	9.13	10.32	10.20	9.81	9.21	8.92	2
3						8.79	9.13	10.17	10.12	9.80	9.22	8.90	3
4					8.30	8.75	9.14	10.13	10.10	9.66	9.21	8.64	4
5					8.25	8.66	9.18	10.18	10.12	9.53	9.20	8.61	5
6					8.30	8.78	9.18	10.16	10.16	9.31	9.20	8.67	6
7					8.37	8.78	9.27	10.13	10.15	9.18	9.23	8.74	7
8					8.35	8.62	9.35	10.25	10.19	9.17	9.23	8.68	8
9					8.25	8.64	9.37	10.32	10.29	9.18	9.23	8.57	9
10					8.35	8.71	9.39	10.24	10.36	9.19	9.24	8.57	10
11					8.42	8.74	9.51	10.22	10.43	9.19	9.29	8.66	11
12					8.34	8.73	9.63	10.19	10.53	9.13	9.32	8.67	12
13					8.25	8.72	9.77	10.18	10.57	9.16	9.33	8.60	13
14					8.18	8.78	9.91	10.18	10.50	9.17	9.25	8.59	14
15					8.13	8.82	10.00	10.18	10.38	9.09	9.29	8.57	15
16					8.14	8.83	10.17	10.15	10.34	9.08	9.31	8.58	16
17					8.14	8.79	10.40	10.13	10.33	9.18	9.24	8.59	17
18					8.21	8.76	10.46	10.18	10.30	9.18	9.11	8.61	18
19					8.36	8.80	10.46	10.18	10.20	9.11	9.21	8.59	19
20					8.27	8.84	10.49	10.18	10.14	9.08	9.24	8.59	20
21					8.19	8.83	10.51	10.17	10.07	9.11	9.25	8.44	21
22					8.19	8.86	10.56	10.17	10.11	9.12	9.13	8.61	22
23					8.19	8.91	10.72	10.15	10.15	9.12	9.13	8.61	23
24					8.17	8.98	10.91	10.09	10.18	9.17	8.95	8.60	24
25					8.22	9.18	10.96	10.05	10.08	9.10	8.95	8.46	25
26					8.33	9.15	10.96	10.03	10.11	9.04	8.97	8.55	26
27					8.37	9.17	10.73	10.00	10.04	9.05	8.94	8.63	27
28					8.38	9.18	10.65	9.97	10.03	9.09	8.92	8.75	28
29					8.44	9.14	10.55	9.97	10.07	9.19	8.95	8.83	29
30					8.51	9.14	10.46	10.00	10.06	9.24	8.91	8.82	30
31					8.55		10.38	10.12		9.23		8.78	31
-MONTHLY SUMMARY-													
MEAN						8.85	10.02	10.15	10.21	9.24	9.17	8.65	MEAN
INST						8.56	9.10	9.95	10.00	9.04	8.90	8.42	INST
MAX						( 1 )	( 3 )	(29)	(28)	(26)	(27)	(25)	MAX
INST						9.22	11.01	10.35	10.60	10.02	9.33	8.95	INST
MIN						(27)	(26)	( 1 )	(13)	( 1 )	(13)	( 3 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 034

CITY OF KITCHENER

CONC. -

LOT -

WELL REC #1 6503537  
UTM CO-ORDS: Z=17 E540478 N4808546  
LAT & LONG: 43=26N04TH 80=30W5T

REC METHOD: STEEL TAPE  
REC COMMD: SEP. 11 1946  
MEASURE PT: 1.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 1082 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: OVERBURDEN 200; DOLOMITE 370.

DIAMETER OF WELL: 12 INCHES  
LENGTH OF CASING: 200 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 370 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: DOLOMITE  
QUALITY: FRESH

1978  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	01/ 37.75	31/ 39.36		01/ 37.71	01/ 43.07	30/ 46.92	30/ 45.76	27/ 48.48	27/ 47.98	29/ 48.54	
					30/ 46.92						

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 035

CITY OF KITCHENER

CONC. -

LOT -

WELL REC #1 6503538  
UTM CO-ORDS: Z=17 E540482 N4808508  
LAT & LONG: 43=26N04TH 80=30W5T

REC METHOD: STEEL TAPE  
REC COMMD: SEP. 11 1946  
MEASURE PT: 1.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 1082 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: OVERBURDEN 190; DOLOMITE 196.

DIAMETER OF WELL: 12 INCHES  
LENGTH OF CASING: 190 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 196 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: DOLOMITE  
QUALITY: FRESH

1978  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	01/ 21.92	31/ 23.24		01/ 20.58	01/ 26.51	30/ 31.00	30/ 27.55	27/ 31.67	27/ 30.35	29/ 31.64	
					30/ 31.00						

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO  
CITY OF KITCHENER  
CONC. = LOT =  
WELL REC #1 6503534  
UTM CO-ORD: Z-17 E539865 N4810265  
LAT & LONG: 43-26NORTH 80-30WEST  
REC METHOD: STEEL TAPE  
REC COMM: NOV. 24 1966  
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 1076 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: OVERBURDEN 1603 DOLOMITE 202.  
DIAMETER OF WELL: 12 INCHES  
LENGTH OF CASING: 160 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 202 FEET  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: DOLOMITE  
QUALITY: FRESH

1978  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	01/ 69.42	31/ 68.50		01/ 66.10	01/ 74.05 30/ 74.92	30/ 74.92	30/ 48.50	27/ 79.23	27/ 80.08	29/ 78.17	

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO  
CITY OF KITCHENER  
CONC. = LOT =  
WELL REC #1 6500265  
UTM CO-ORD: Z-17 E544590 N4806630  
LAT & LONG: 43-25NORTH 80-27WEST  
REC METHOD: A35 RECORDER  
REC COMM: MAY 10 1958  
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 1020 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: PRELUG 43; CLAY AND STONES 51; DRY GRAVEL 64; CEMENTED GRAVEL 74; CLAY, HARDPAN AND STONES 87; SANDY CLAY 90; BROWN CLAY 120; COARSE SAND 125; GRAVEL 127; UNKN 130.  
DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 130 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 130 FEET  
PUMP RATE: 15 IGPM  
SPEC. CAP: 0.71 IGPM/FT  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

E - ESTIMATED

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1							81.46	69.53		69.64	78.89	78.66	1
2	62.17						68.91	72.69	70.25	74.94	79.27	75.72	2
3							66.76	71.02	60.90	80.96	77.65	74.74	3
4							69.64	72.23	63.34	78.42	75.45	79.57	4
5							73.54	68.17	71.23	75.79	76.03	81.03	5
6							77.72	66.85	75.32	76.29	79.48	76.72	6
7							80.05	67.50	78.86	73.38	77.85	81.80	7
8	62.35						79.19	71.19	79.68	67.79	75.91	78.17	8
9	68.34						72.66	72.13	77.48	67.09	75.68	75.76	9
10	67.32						77.42	74.02	73.52	74.95	77.58	75.26	10
11	68.69						80.60	75.31	78.66	80.00	75.06	79.95	11
12	68.77						81.17	72.57	80.41	78.36	74.63	78.91	12
13	70.33						81.48	68.51	81.01	75.09	78.37	76.35	13
14	67.29						77.18	81.27	78.66	75.79	77.65	77.65	14
15	61.37					78.46	81.75	79.40	81.51	69.11	75.61	81.24	15
16	65.76					79.84		80.09	77.09	77.25	79.55	76.61	16
17						76.47	80.50	79.44	70.42	76.97	77.68	75.76	17
18						70.41	82.27	79.15	76.19	76.94	75.57	79.85	18
19						76.00	82.62	75.96	80.51	75.00	75.03	78.97	19
20						79.63	82.84	67.12	81.05	79.17	78.11	80.17	20
21						80.10	82.81	73.55	81.42	75.41	75.81	77.18	21
22						80.53	72.41	78.52	81.87	73.85	78.27	76.58	22
23						80.85	68.79	74.49	81.48	76.41	75.54	75.62	23
24						80.92	72.01	73.93	71.99	75.70	79.38		24
25						80.92	74.55	77.39	74.57	77.59	75.59		25
26						81.15	80.43	73.14	75.92	77.51	74.61		26
27						81.37	71.43	67.57	79.83	78.78	78.82	76.57E	27
28						81.61	71.68	69.67	81.70	75.53	76.24	74.38E	28
29						81.77	68.52	72.48	81.89	76.73	75.66	72.81E	29
30						81.90	66.13	72.95	77.75	78.43	79.39	74.79E	30
31							71.34			75.68		71.12E	31

=MONTHLY SUMMARY=

MEAN										75.86	76.95		MEAN
INST MAX										80.65 ( 9 )	72.89 ( 5 )		INST MAX
INST MIN										81.58 ( 4 )	81.94 ( 2 )		INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO  
TOWNSHIP OF WILMOT  
CONC. 8BN LOT 2  
WELL REC #1 6502124  
UTM CO-ORD: Z-17 E536325 N4805375  
LAT & LONG: 43-24NORTH 80-33WEST  
REC METHOD: STEEL TAPE  
REC COMM: JUN. 08 1962  
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 1125 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL AND BOULDERS 03; SILTY SAND 49; SAND AND GRAVEL 53; SAND AND GRAVEL STREAKS; FINE SAND 70; FINE SAND AND GRAVEL 75; BOULDERS, COARSE GRAVEL AND SAND 80; GRAVEL AND SAND 84; HARD PACKED BOULDERS GRAVEL AND SAND 85; HARD AND SOFT STREAKS OF BLUE AND BROWN CLAY 97.  
DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: 74 FEET  
LENGTH OF SCREEN: 11 FEET  
DEPTH OF WELL: 86 FEET  
PUMP RATE: 27 IGPM  
SPEC. CAP: 7.71 IGPM/FT  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1978  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	01/ 25.10	11/ 27.12	28/ 25.16	26/ 25.06	30/ 25.23	28/ 25.56		01/ 25.92	13/ 26.23 27/ 26.25	29/ 26.46	

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO  
TOWNSHIP OF WILMOT  
CONC. BPS LOT 2  
OBSERVATION WELL 117  
WELL REC #: 6502168  
UTM CO-ORD: Z=17 E536875 N4804000  
LAT & LONG: 43=24NORTH 80=33WEST  
REC METHOD: STIELTAGE  
REC COMMOD: JUN. OR 1962  
MEASURE PT: 2.6 FEET ABOVE GROUND SURFACE  
GND ELEV: 1100 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: MUCK 02; COARSE SAND; FINE GRAVEL 44; CLAY AND GRAVEL 68; CLAY 107; CLAY AND GRAVEL 136  
DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: N.A.  
LENGTH OF SCREEN: N.A.  
DEPTH OF WELL: 136 FEET  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: CLAY AND GRAVEL  
QUALITY: FRESH

1978  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	01/ 23.92	31/ 24.52	28/ 24.17	26/ 24.05	30/ 23.82	28/ 23.90		01/ 24.34	13/ 24.86 27/ 23.88	29/ 24.15	

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO  
TOWNSHIP OF WILMOT  
BRN LOT 11  
OBSERVATION WELL 396  
WELL REC #: 6502145  
UTM CO-ORD: Z=17 E530300 N4804475  
LAT & LONG: 43=24NORTH 80=37WEST  
REC METHOD: BROTT RECORDER  
REC COMMOD: JUN. 13 1973  
MEASURE PT: 4.6 FEET ABOVE GROUND SURFACE  
GND ELEV: 1200 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN CLAY 8; SAND 17; SAND AND GRAVEL 38; BOULDERS, GRAVEL AND BROWN CLAY 51; BROWN CLAY CHANGING TO GREY COLOR 60; SILTY SAND WITH CLAY STREAKS 128; GRAVEL, SAND WITH BOULDERS 155; SAND AND FINE GRAVEL 182; GREY CLAY 205; GREY CLAY, GRAVEL 216; CEMENTED SAND, GRAVEL 218; BEDROCK 218.  
DIAMETER OF WELL: 2 INCHES  
LENGTH OF CASING: 144 FEET  
LENGTH OF SCREEN: 11 FEET  
DEPTH OF WELL: 155 FEET  
PUMP RATE: 25 IGPM  
SPEC. CAP: 6.58 IGPM/FT  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1							48.97	48.92	48.95	48.93	49.35	48.78	1
2							49.02	48.89	48.89	48.99	49.24	48.87	2
3							49.04	48.87	48.82	48.87	49.19	48.69	3
4							48.92	48.94	48.86	48.88	49.06	48.53	4
5							48.84	48.92	48.89	48.94	49.01	48.62	5
6							48.97	48.87	49.11	48.95	49.00	48.78	6
7							49.08	48.83	49.29	49.08	48.97	48.77	7
8							49.14	48.78	49.33	49.17	48.91	48.64	8
9							49.19	48.77	49.26	49.21	48.86	48.61	9
10							49.09	48.80	49.15	49.19	48.95	48.77	10
11							49.27	48.80	49.02	49.09	48.96		11
12							49.35	48.83	49.27	49.05	49.01		12
13							49.32	49.11	49.50	49.19	48.88		13
14							49.40	49.30	49.46	49.21	48.86		14
15							49.44	49.40	49.37	49.20	48.99		15
16							49.51	49.47	49.27	49.27	48.98		16
17						48.45	49.58	49.51	49.22	49.35	48.73		17
18						48.41	49.65	49.42	49.18	49.26	48.83		18
19						48.44	49.69	49.29	49.13	49.18	48.92		19
20						48.39	49.69	49.33	49.03	49.24	48.94		20
21						48.31	49.72	49.26	49.07	49.26	48.83		21
22						48.34	49.55	49.16	49.29	49.30	48.76		22
23						48.32	49.37	49.09	49.19	49.37	48.55		23
24						48.28	49.31	49.02	49.02	49.30	48.63		24
25						48.20	49.15	49.02	49.04	49.16	48.77		25
26						48.13	49.01	48.99	48.99	49.22	48.82		26
27						48.28	48.96	48.98	48.86	49.32	48.67		27
28						48.59	49.02	48.86	48.96	49.42	48.72		28
29						48.72	48.91	48.94	48.95	49.51	48.74		29
30						48.87	48.98	48.99	48.88	49.46	48.76		30
31							48.90	48.96		49.34			31
=MONTHLY SUMMARY=													
MEAN						49.23	49.04	49.11	49.19	48.90			MEAN
INST						48.78	48.74	48.78	48.81	48.44			INST
MAX						( 9 )	( 3 )	( 3 )	( 3 )	( 23 )			MAX
INST						49.73	49.55	49.54	49.53	49.38			INST
MIN						( 21 )	( 17 )	( 13 )	( 29 )	( 1 )			MIN









OBSERVATION WELL 413  
TOWNSHIP OF MIDDLETON

1978

ENVIRONMENT ONTARIO



OBSERVATION WELL 064  
TOWNSHIP OF N. CAYUGA

1978

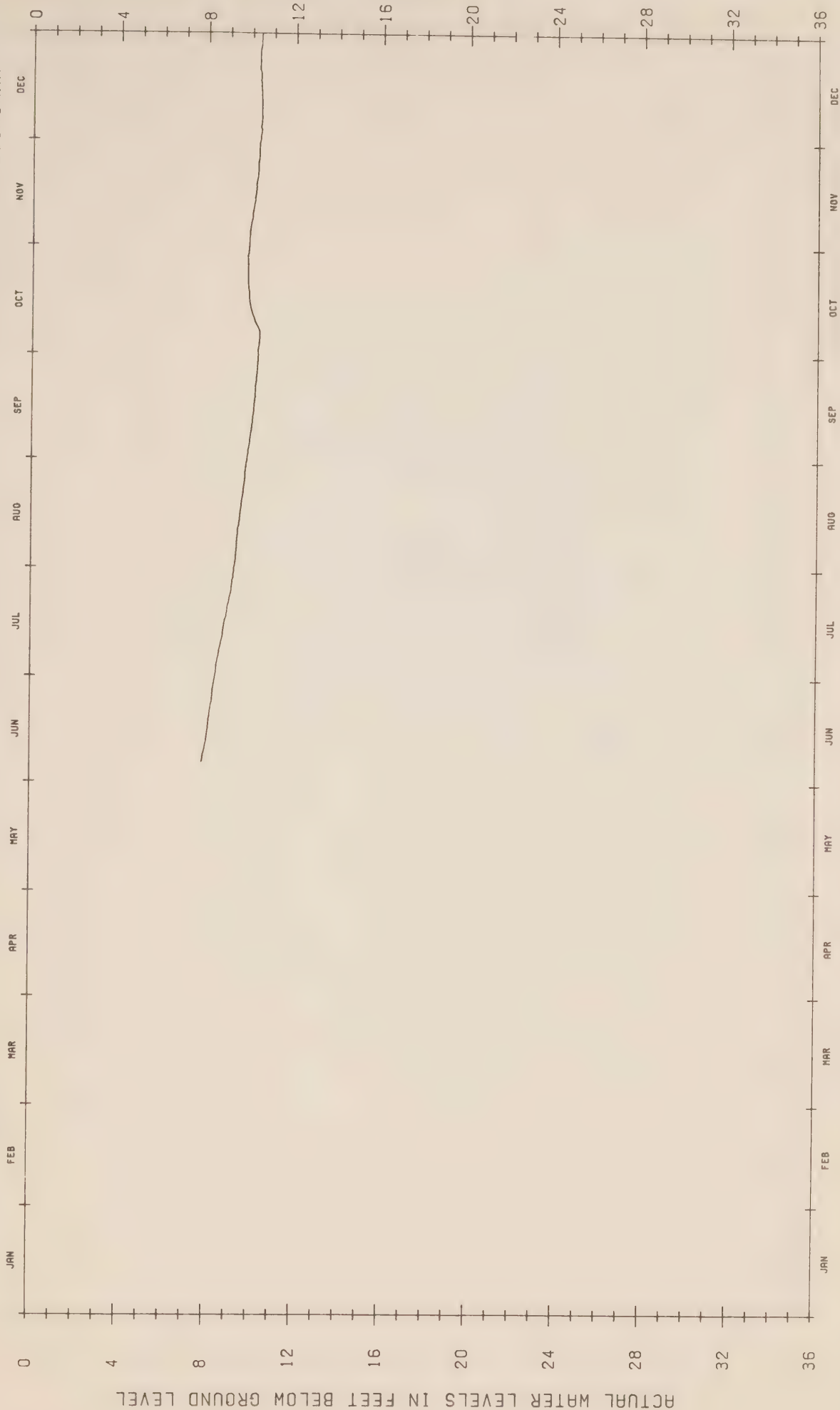
ENVIRONMENT ONTARIO



OBSERVATION WELL 138  
TOWNSHIP OF S. WALSINGHAM

1978

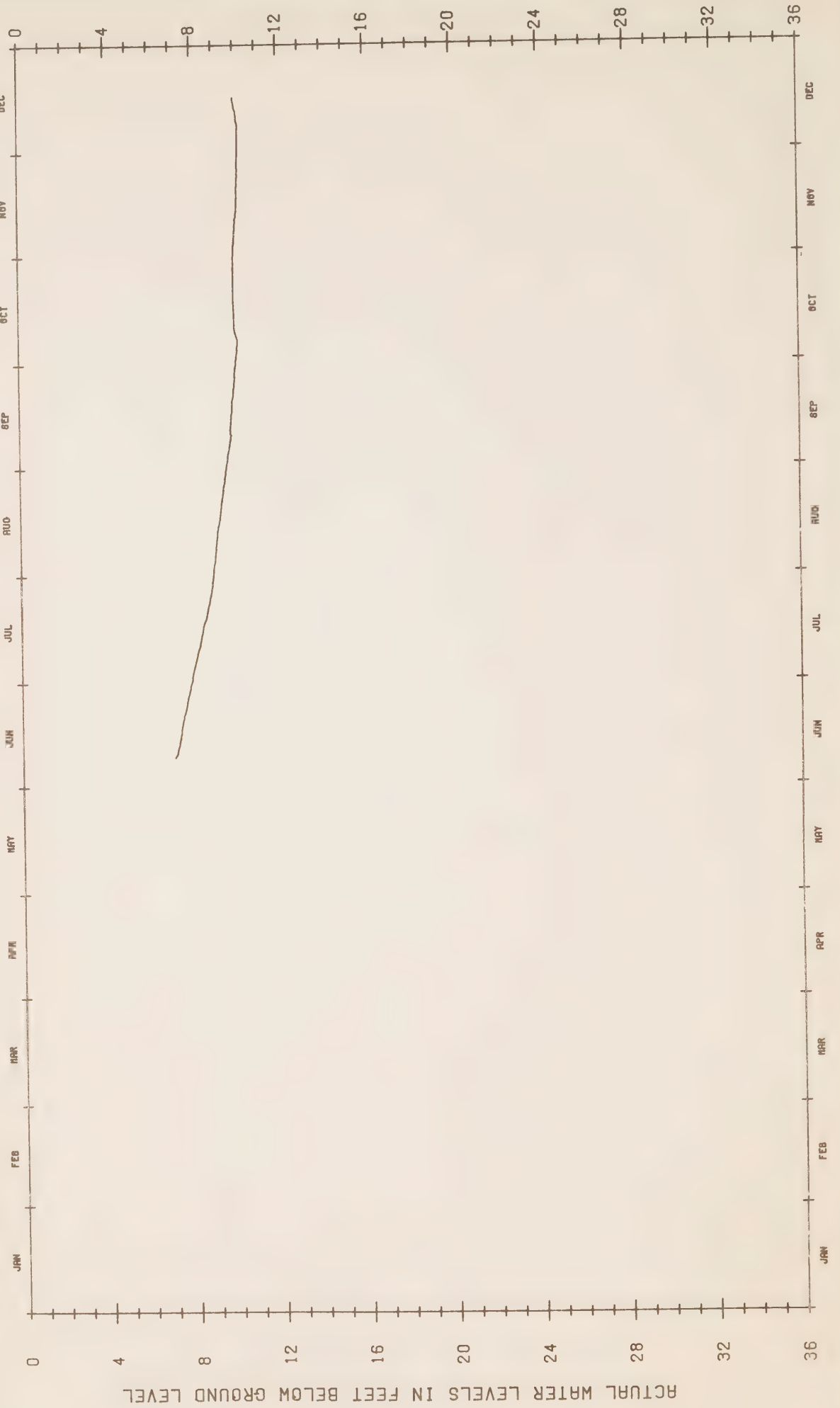
ENVIRONMENT ONTARIO

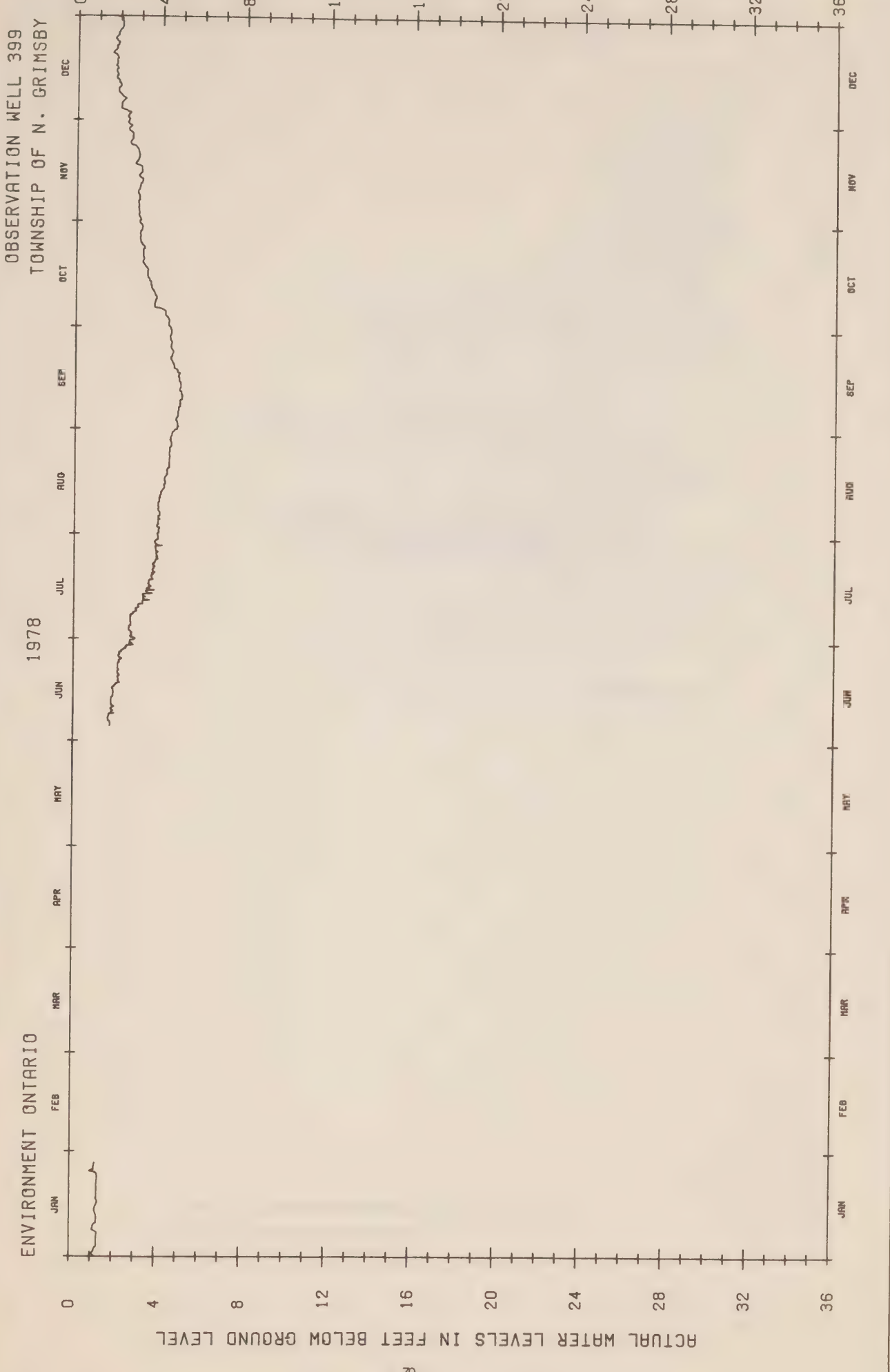


OBSERVATION WELL 408  
TOWNSHIP OF S. WALSHINGHAM

1978

ENVIRONMENT ONTARIO

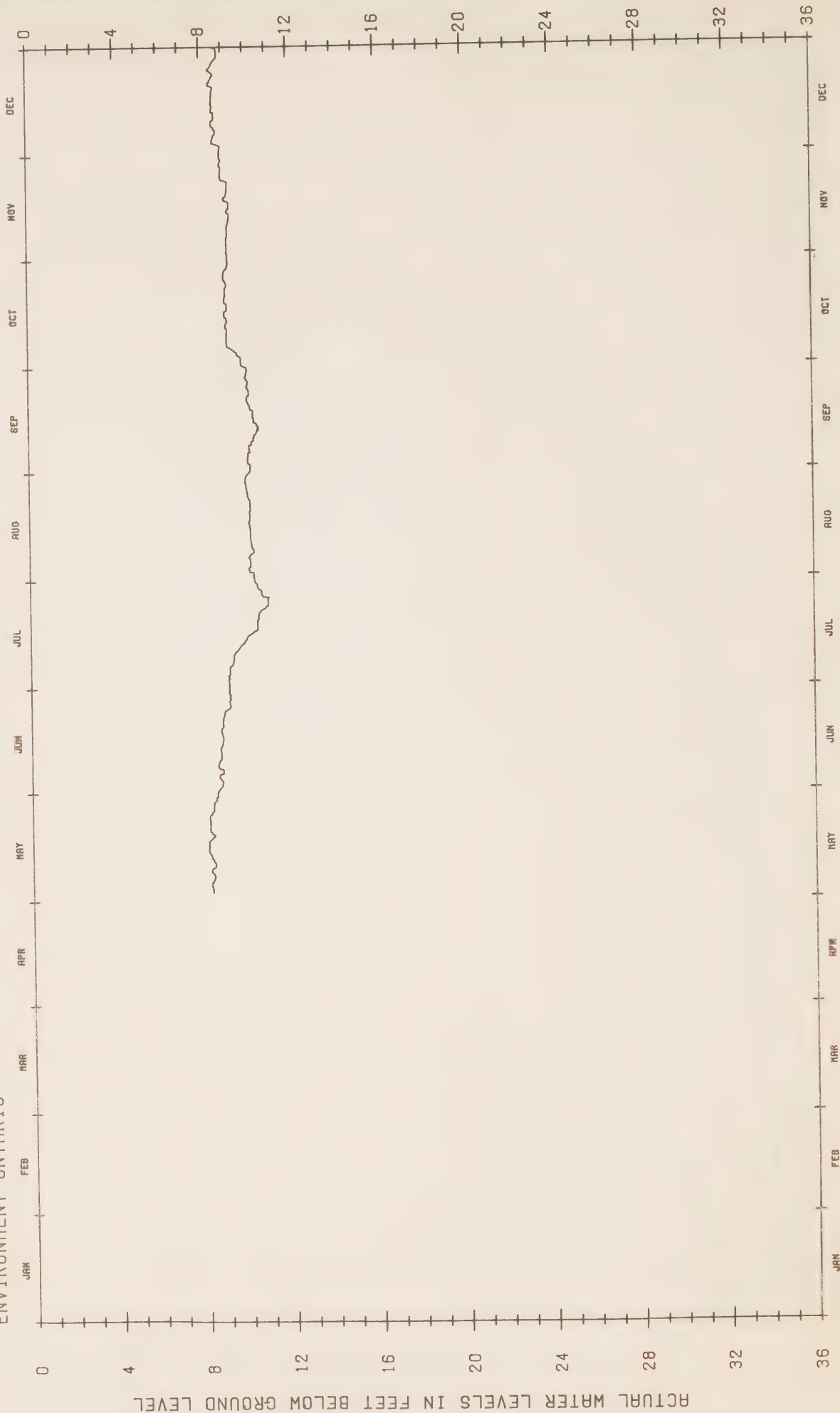




ENVIRONMENT ONTARIO

1978

OBSERVATION WELL 228  
TOWNSHIP OF WAINFLEET



OBSERVATION WELL 082  
CITY OF KITCHENER

1978

ENVIRONMENT ONTARIO



OBSERVATION WELL 396  
TOWNSHIP OF WILMOT

1978

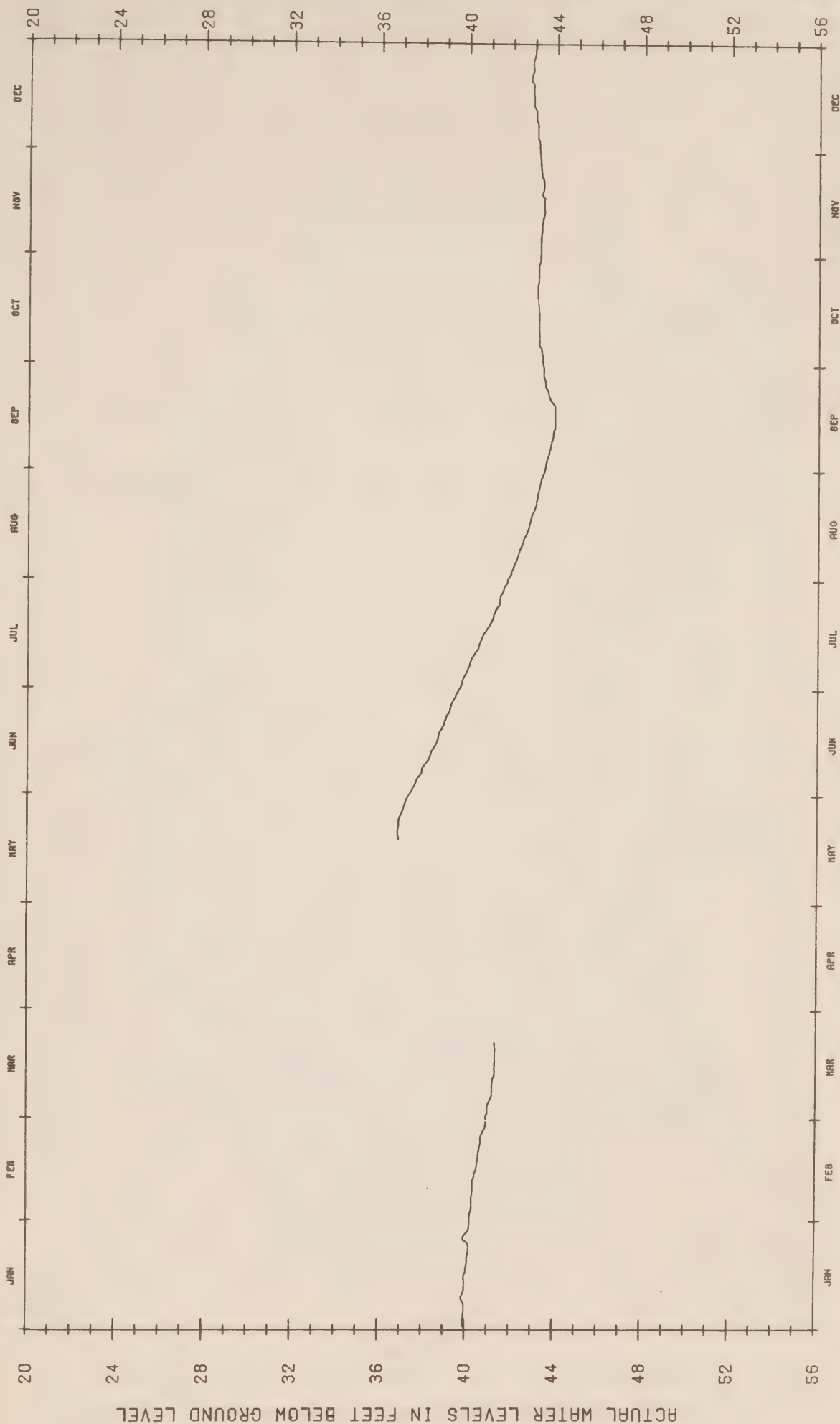
ENVIRONMENT ONTARIO



OBSERVATION WELL 432  
TOWNSHIP OF ERIN

1978

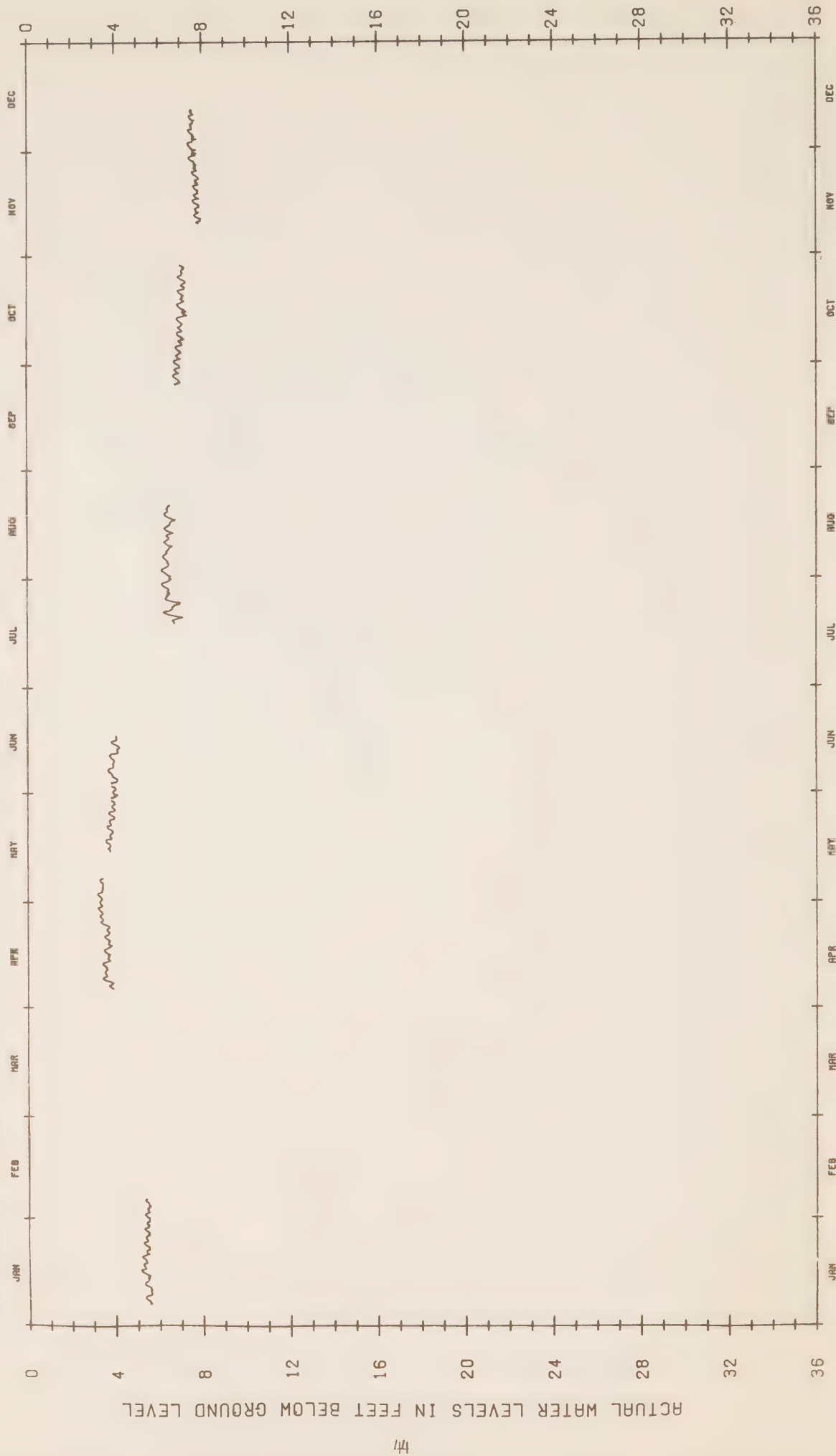
ENVIRONMENT ONTARIO



OBSERVATION WELL 544  
TOWNSHIP OF PUSLINCH

1978

ENVIRONMENT ONTARIO





ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 329

TOWNSHIP OF PICKERING

CONC. 7

LOT 2

WELL REC #1 4605090  
UTM CO-ORD: Z=17 E653700 N4869025  
LAT & LONG: 43-58NORTH 79-06WEST

PFC METHOD: 151 TYPE RECORDER  
PFC COMMENT: DEC 21 1970  
MEASURE PT: 3.1 FEET ABOVE GROUND SURFACE  
GND ELEV: 599 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN FINE SAND, SILT 81 GREY CLAY, SILT, SAND AND PEbbLES 16,  
DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 16 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 16 FEET

PUMP RATE: N/A.  
SPEC. CAP: N/A.  
AQUIFER: 1 CLAY  
QUALITY: 1 FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						4.04	4.96	6.63	7.99	8.76			1
2						4.04	5.00	6.68	8.03	8.78			2
3						4.06	5.05	6.74	8.06	8.80			3
4						4.07	5.10	6.79	8.09	8.80			4
5						4.09	5.16	6.84	8.12	8.82			5
6						4.11	5.22	6.90	8.14	8.84			6
7						4.14	5.27	6.95	8.18	8.86			7
8						4.15	5.32	7.00	8.21	8.86			8
9						4.18	5.38	7.06	8.25	8.86			9
10						4.19	5.44	7.10	8.28	8.87			10
11						4.22	5.49	7.14	8.32	8.88			11
12						4.25	5.54	7.18	8.35	8.87			12
13						4.29	5.60	7.24	8.38	8.88			13
14						4.31	5.65	7.28	8.41	8.89			14
15						4.33	5.72	7.33	8.44	8.89			15
16						4.35	5.78	7.38	8.48	8.90			16
17						4.39	5.83	7.43	8.50	8.91			17
18						4.42	5.89	7.47	8.53	8.92			18
19						4.45	5.95	7.52	8.56				19
20						4.47	6.00	7.57	8.57				20
21						4.50	6.06	7.60	8.59				21
22						4.55	6.13	7.65	8.61				22
23						4.62	6.19	7.69	8.63				23
24						4.65	6.24	7.72	8.64				24
25						4.68	6.30	7.76	8.66				25
26						4.72	6.34	7.79	8.68				26
27						4.78	6.38	7.84	8.69				27
28						4.83	6.43	7.86	8.71				28
29						4.89	6.49	7.90	8.73				29
30						4.92	6.54	7.94	8.75				30
31							6.58	7.97					31

-MONTHLY SUMMARY-

MEAN						4.39	5.78	7.35	8.42				MEAN
INST						4.03	4.94	6.60	7.98				INST
MAX						( 1 )	( 1 )	( 1 )	( 1 )				MAX
INST						4.94	6.60	7.98	8.75				INST
MIN						(30)	(31)	(31)	(30)				MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 405

TOWNSHIP OF PICKERING

CONC. 6

LOT 20

WELL REC #1 4605830  
UTM CO-ORD: Z=17 E651608 N4864396  
LAT & LONG: 43-55NORTH 79-06WEST

PFC METHOD: 435 RECORDER  
PFC COMMENT: MAY 16 1974  
MEASURE PT: 3.6 FEET ABOVE GROUND SURFACE  
GND ELEV: 663 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN SANDY CLAY, GRAVEL 351 SAND, FINE GRAVEL, SILTY CLAY 401 GREY FINE SAND, SILT 801 GRAVEL, SAND, BOULDERS  
221 GREY CLAY, SAND 97,  
DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 83.6 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 86.6 FEET  
PUMP RATE: 12 IGPM  
SPEC. CAP: .447 IGPM/FT  
AQUIFER: 1 SAND AND GRAVEL  
QUALITY: 1 FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					24.29	23.91	25.80	26.79	27.70	28.11	28.83	29.28	1
2					24.39	24.00	25.81	26.83	27.74	28.23	28.79	29.41	2
3					24.50	24.06	25.84	26.81	27.67	28.25	28.82	29.11	3
4					24.60	24.06	25.88	26.92	27.74	28.12	28.83	28.90	4
5					24.48	24.10	25.97	27.01	27.79	28.29	28.82	29.19	5
6					24.66	24.30	26.01	27.00	27.80	28.20	28.84	29.51	6
7					24.91	24.29	26.00	26.99	27.82	28.20	28.95	29.42	7
8					24.77	24.21	25.97	26.93	27.91	28.43	28.97	29.29	8
9					24.35	24.39	26.05	26.91	27.96	28.52	28.90	29.26	9
10					24.52	24.69	26.17	26.95	28.03	28.48	29.03	29.51	10
11					24.86	24.68	26.25	27.01	27.90	28.44	29.16	29.49	11
12					24.78	24.64	26.32	27.02	27.93	28.25	29.21	29.26	12
13					24.55	24.72	26.27	27.03	28.04	28.42	29.14	29.26	13
14					24.47	25.05	26.23	27.07	27.98	28.52	28.88	29.31	14
15					24.48	25.18	26.26	27.07	27.76	28.51	29.16	29.37	15
16					24.43	25.25	26.28	27.05	27.78	28.63	29.26	29.31	16
17					24.16	25.16	26.36	27.06	27.91	28.72	29.10		17
18					24.04	25.14	26.49	27.24	28.06	28.63	28.87		18
19					23.98	25.20	26.54	27.24	28.17	28.45	29.24		19
20					23.77	25.28	26.54	27.35	28.15	28.43	29.43		20
21					23.71	25.26	26.53	27.48	27.98	28.49	29.40		21
22					23.83	25.33	26.53	27.49	28.16	28.54	29.30		22
23					23.72	25.44	26.52	27.47	28.27	28.66	29.03		23
24					23.64	25.50	26.72	27.44	28.08	28.73	28.86		24
25					23.65	25.51	26.71	27.44	28.05	28.52	29.18		25
26					23.73	25.51	26.43	27.46	28.17	28.47	29.34		26
27					24.30	23.80	25.51	26.39	28.04	28.71	29.23		27
28					24.25	23.80	25.63	26.58	28.10	28.80	29.15		28
29					24.22	23.77	25.71	26.61	27.40	28.25	29.47		29
30					24.26	23.76	25.76	26.68	27.58	28.99	29.19		30
31						23.77		27.65		28.84			31

-MONTHLY SUMMARY-

MEAN					24.20	24.92	26.31	27.18	27.97	28.50	29.07		MEAN
INST					23.63	23.82	25.80	26.78	27.66	28.09	28.74		INST
MAX					(25)	( 1 )	( 1 )	( 1 )	( 3 )	( 4 )	(18)		MAX
INST					24.94	25.80	26.78	27.67	28.28	29.01	29.45		INST
MIN					( 7 )	(30)	(31)	(31)	(23)	(30)	(20)		MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF DURHAM  
OBSERVATION WELL 406  
TOWNSHIP OF PICKERING  
CONC. 8 LOT 24  
WELL REC #1 4605831  
UTM CO-ORDS Z-17 E646822 N4868413  
LAT & LONG 43-57NORTH 79-09WEST  
REC METHOD: A35 RECORDER  
REC COMMENT: MAY 28 1974  
MEASURE DT: 3.5 FEET ABOVE GROUND SURFACE  
GND ELEV: 793 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN SANDY CLAY, GRAVEL 91 GREY CLAY, GRAVEL 241 GREY SANDY CLAY, GRAVEL 301 GREY FINE SAND 381 GREY CLAY AND SOME GRAVEL 441 GREY FINE SAND 461 GREY SAND, GRAVEL, CLAY 501 GREY SANDY CLAY 521 GREY SAND, CLAY AND GRAVEL LAYERS 641 GREY CLAY, SAND AND GRAVEL 2031 SAND, GRAVEL 2371 GREY CLAY 2631 SAND AND GRAVEL 2641 BLACK SAND AND GRAVEL 2961 BLACK SHALE 305.  
DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 51 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 305 FEET  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: 1 SAND AND GRAVEL  
QUALITY: 1 FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				-0.40	-0.28	0.14	1.61	2.80	3.74	3.85	3.37	1.90	1
2				-0.43	-0.19	0.24	1.62	2.87	3.76	3.84	3.32	1.95	2
3				-0.37	-0.10	0.34	1.62	2.86	3.75	3.83	3.30	2.02	3
4				-0.37	-0.02	0.40	1.66	2.93	3.76	3.68	3.29	1.72	4
5				-0.38	-0.02	0.42	1.74	3.00	3.81	3.65	3.27	1.67	5
6				-0.39	-0.03	0.51	1.78	3.02	3.84	3.52	3.26	1.75	6
7				-0.56	0.04	0.55	1.81	3.03	3.85	3.48	3.26	1.83	7
8				-0.50	0.06	0.54	1.81	3.03	3.89	3.51	3.26	1.71	8
9				-0.48	-0.13	0.61	1.83	3.03	3.97	3.55	3.26	1.56	9
10				-0.51	-0.14	0.76	1.89	3.04	4.04	3.55	3.29	1.57	10
11				-0.60	-0.14	0.80	1.98	3.08	4.03	3.52	3.33	1.63	11
12				-0.61	-0.14	0.80	2.05	3.12	4.01	3.42	3.38	1.63	12
13				-0.61	-0.21	0.79	2.06	3.22	4.07	3.42	3.38	1.60	13
14				-0.61	-0.32	0.90	2.06	3.25	4.08	3.43	3.24	1.60	14
15				-0.60	-0.42	0.99	2.07	3.25	4.07	3.43	3.22	1.61	15
16				-0.60	-0.44	1.03	2.10	3.23	4.07	3.45	3.27	1.62	16
17				-0.60	-0.52	1.03	2.20	3.22	4.08	3.52	3.20	1.63	17
18				-0.61	-0.54	1.03	2.29	3.29	4.06	3.52	2.91	1.74	18
19				-0.62	-0.55	1.06	2.35	3.32	3.83	3.43	2.94	1.83	19
20				-0.69	-0.57	1.12	2.36	3.39	3.82	3.41	3.00	1.85	20
21				-0.71	-0.61	1.18	2.37	3.48	3.84	3.40	3.00	1.75	21
22			0.30	-0.71	-0.60	1.22	2.38	3.48	3.93	3.40	2.95	1.96	22
23			0.21	-0.70	-0.59	1.26	2.39	3.48	4.01	3.42	2.65	2.10	23
24			0.20	-0.70	-0.56	1.31	2.49	3.48	3.98	3.48	2.31	2.12	24
25			0.20	-0.67	-0.45	1.33	2.52	3.48	3.93	3.42	2.27	2.05	25
26			0.20	-0.64	-0.30	1.33	2.52	3.50	3.95	3.34	2.19	2.14	26
27			0.16	-0.61	-0.20	1.34	2.51	3.54	3.93	3.33	2.05	2.27	27
28			-0.02	-0.53	-0.13	1.43	2.60	3.53	3.91	3.34	1.91	2.40	28
29			-0.05	-0.45	-0.08	1.48	2.71	3.52	3.98	3.42	1.93	2.45	29
30			-0.05	-0.36	-0.02	1.54	2.74	3.61	3.99	3.46	1.89	2.43	30
31			-0.10		0.06		2.76	3.70		3.40		2.31	31
=MONTHLY SUMMARY=													
MEAN				-0.55	-0.26	0.92	2.16	3.25	3.93	3.50	2.93	1.88	MEAN
INST				-0.72	-0.61	0.11	1.58	2.76	3.71	3.33	1.88	1.55	INST
MAX				(22)	(20)	(1)	(1)	(1)	(1)	(27)	(30)	(9)	MAX
INST				-0.24	0.11	1.58	2.76	3.72	4.09	3.92	3.40	2.46	INST
MIN				(1)	(31)	(30)	(31)	(31)	(18)	(1)	(13)	(24)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF DURHAM  
OBSERVATION WELL 512  
TOWNSHIP OF PICKERING  
CONC. 5 LOT 21  
WELL REC #1 N460600  
UTM CO-ORDS Z-17 E651820 N4862274  
LAT & LONG 43-44NORTH 79-07WEST  
REC METHOD: A35 RECORDER  
REC COMMENT: OCT 28 1974  
MEASURE DT: 3.65 FEET ABOVE GROUND SURFACE  
GND ELEV: 600 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN SILTY SAND, TILL 121 GREY SILT SAND, TILL 551 GREY STONEY SAND, TILL 1001 GREY FINE SAND 1281 GREY SILT, TILL 1521 GREY FINE TO MEDIUM SAND, STONFS 2561 GREY CLAY AND SHALE FRAGMENTS, TILL 2661 LAYERED LIMESTONE AND SHALE 271.  
DIAMETER OF WELL: 5 INCHES  
LENGTH OF CASING: 163 FEET  
LENGTH OF SCREEN: 9 FEET  
DEPTH OF WELL: 171 FEET  
PUMP RATE: 13 IGPM  
SPEC. CAP: 6.5 IGPM/FT  
AQUIFER: 1 FINE SAND  
QUALITY: 1 FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						23.43	23.76	24.25	24.66	24.93	25.34	25.33	1
2						23.44	23.77	24.28	24.69	24.95	25.33	25.33	2
3						23.45	23.78	24.28	24.67	24.96	25.33	25.31	3
4						23.45	23.80	24.32	24.67	24.91	25.31	25.30	4
5					23.70	23.43	23.82	24.39	24.68	24.91	25.28	25.31	5
6					23.70	23.45	23.84	24.42	24.68	24.87	25.27	25.32	6
7					23.76	23.46	23.86	24.44	24.68	24.86	25.26	25.32	7
8					23.76	23.41	23.88	24.44	24.71	24.91	25.27	25.32	8
9					23.63	23.41	23.90	24.43	24.75	24.96	25.25	25.33	9
10					23.63	23.47	23.91	24.43	24.77	25.03	25.28	25.34	10
11					23.66	23.48	23.93	24.43	24.76	25.04	25.35	25.34	11
12					23.67	23.48	23.96	24.42	24.73	25.00	25.41	25.37	12
13					23.62	23.48	23.98	24.43	24.79	25.01	25.42	25.38	13
14					23.55	23.53	23.98	24.46	24.80	25.04	25.35	25.39	14
15					23.52	23.61	23.98	24.49	24.76	25.05	25.37	25.41	15
16					23.52	23.66	23.98	24.48	24.74	25.09	25.44	25.42	16
17					23.52	23.67	23.99	24.44	24.75	25.18	25.40	25.43	17
18					23.52	23.63	24.04	24.45	24.79	25.20	25.28	25.45	18
19					23.53	23.62	24.09	24.46	24.79	25.16	25.38	25.48	19
20					23.51	23.63	24.10	24.51	24.81	25.15	25.50	25.42	20
21					23.48	23.64	24.11	24.58	24.84	25.15	25.54	25.28	21
22					23.52	23.64	24.11	24.61	24.90	25.14	25.55	25.31	22
23					23.53	23.65	24.09	24.62	24.99	25.15	25.43	25.37	23
24					23.52	23.67	24.13	24.58	25.00	25.19	25.28	25.38	24
25					23.52	23.69	24.16	24.54	24.99	25.15	25.28	25.34	25
26					23.51	23.68	24.15	24.55	25.01	25.08	25.29	25.36	26
27					23.51	23.67	24.12	24.59	24.98	25.09	25.30	25.43	27
28					23.51	23.67	24.13	24.56	24.96	25.15	25.30	25.58	28
29					23.50	23.68	24.16	24.53	25.00	25.26	25.31	25.69	29
30					23.47	23.72	24.20	24.56	24.99	25.33	25.32	25.72	30
31					23.43		24.22	24.61		25.34		25.70	31
=MONTHLY SUMMARY=													
MEAN						23.56	24.00	24.47	24.81	25.07	25.35	25.40	MEAN
INST						23.40	23.74	24.23	24.63	24.86	25.25	25.27	INST
MAX						(9)	(1)	(1)	(1)	(6)	(9)	(20)	MAX
INST						23.74	24.23	24.63	25.01	25.35	25.55	25.73	INST
MIN						(30)	(31)	(31)	(29)	(30)	(22)	(30)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 301  
TOWNSHIP OF UXBRIDGE  
CONC. 4 LOT 1

WELL REC #1 4605197  
UTM CO-ORDS Z-17 E648450 N4872000  
LAT & LONG 43-59NORTH 79-09WEST

REC METHOD: 1F TYPE RECORDED  
REC COMM: JUN 3 1970  
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE  
GND FLEV: 935 FEET ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: OVERBURDEN 141 SAND AND GRAVEL 23.

DIAMETER OF WELL: 48 INCHES  
LENGTH OF CASING: 23 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 23 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: GRAVEL  
QUALITY: FRESH

1978 DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		16.45			14.58	14.78	15.81	16.22	16.38	16.29			1
2		16.48			14.71	14.84	15.80	16.24	16.37				2
3		16.53			14.80	14.91	15.81	16.21	16.33				3
4		16.56			14.86	14.95	15.83	16.25	16.38				4
5		16.53			14.88	14.96	15.85	16.26	16.40				5
6		16.53			15.02	15.07	15.87	16.26	16.39				6
7		16.55			15.08	15.06	15.87	16.27	16.42				7
8		16.62			14.97	15.05	15.88	16.26	16.43				8
9		16.64			14.88	15.15	15.92	16.25	16.45				9
10		16.63			15.04	15.27	15.94	16.27	16.46				10
11					15.12	15.25	15.98	16.28	16.40				11
12	16.00				15.05	15.24	16.00	16.30	16.40				12
13	15.99				14.97	15.27	15.97	16.33	16.43				13
14	15.98				14.53	15.34	15.98	16.36	16.39				14
15	15.99				13.32	15.38	15.99	16.35	16.30				15
16	16.01				13.14	15.37	16.01	16.27	16.32				16
17	16.06				13.35	15.36	16.05	16.32	16.39				17
18	16.08				13.60	15.37	16.09	16.37	16.41				18
19					13.77	15.44	16.11	16.35	16.29				19
20					13.83	15.48	16.12	16.38	16.23				20
21					13.85	15.49	16.11	16.40	16.22				21
22					13.87	15.54	16.09	16.38	16.32				22
23					13.90	15.60	16.07	16.39	16.35				23
24					14.03	15.62	16.14	16.36	16.27				24
25						15.63	16.11	16.33	16.30				25
26	16.18					15.62	16.08		16.35				26
27	16.27			14.13		15.67	16.08		16.31				27
28	16.41			14.26		15.74	16.17		16.37				28
29	16.44			14.36		15.76	16.15		16.42				29
30	16.44			14.50		15.79			16.36				30
31	16.42						16.20						31
-MONTHLY SUMMARY-													
MEAN						15.33	16.01		16.36				MEAN
INST MAX							14.72 ( 1 )	15.80 ( 2 )	16.20 (21)				INST MAX
INST MIN							15.81 (30)	16.22 (31)	16.48 (10)				INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF HALTON

OBSERVATION WELL 414  
TOWNSHIP OF ESQUERING  
CONC. 3 LOT 16

WELL REC #1 2800838  
UTM CO-ORDS Z-17 F582900 N4826900  
LAT & LONG 43-35NORTH 79-59WEST

REC METHOD: A35 RECORDED  
REC COMM: AUGUST 1966  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND FLEV: 1075 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN SAND AND STONES 51 WHITE GREY LIMESTONE 251 GREY BLACK LIMESTONE 38.5.

DIAMETER OF WELL: 7 INCHES  
LENGTH OF CASING: 9.5 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 38.5 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY: FRESH

E - ESTIMATED

1978 DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.26 E	3.28 F	4.88 E	0.99 F	3.67 E	4.48 E			9.12 E				1
2	3.39 F	3.35 F	4.93 E	1.47 E	3.84 E	4.60 E			9.15 E				2
3	3.60 F	3.51 E	4.81 F	1.78 E	3.98 F	4.73 E			9.18 E				3
4	3.70 F	3.58 F	4.94 F	1.92 E	4.05 F	4.78 F			9.25 E				4
5	3.78 E	3.61 F	5.06 F	1.84 F	4.10 E	4.89 E			9.29 F				5
6	3.85 F	3.67 F	5.10 E	1.82 F	4.18 E	5.00 E			9.32 E				6
7	3.90 F	3.76 F	5.21 F	1.27 E	4.23 E	5.00 E			9.35 E				7
8	3.65 E	3.90 E	5.16 F	1.81 E	4.14 F	4.99 F	7.06 E		9.39 E				8
9	3.16 F	3.92 E	5.06 E	2.16 E	3.97 E	5.10 E	7.15 E		9.39 F				9
10	3.17 F	3.93 E	5.03 E	2.22 E	3.97 E	5.25 F	7.22 F		9.39 F				10
11	3.24 E	3.97 E	5.10 F	1.71 E	4.01 F	5.29 F	7.32 E		9.34 E				11
12	3.30 E	4.07 F	5.21 F	1.82 E	3.92 F	5.33 F	7.39 E						12
13	3.35 E	4.11 E	5.23 F	2.18 E	2.91 F	5.17 E	7.43 E						13
14	3.35 E	4.19 E	4.73 E	2.46 E	2.00 F	5.32 E	7.49 F						14
15	3.46 E	4.28 F	4.36 F	2.65 E	2.11 F	5.42 E	7.55 F						15
16	3.69 F	4.31 E	4.27 F	2.79 E	2.44 F	5.49 E	7.63 E						16
17	3.80 F	4.34 E	4.16 F	2.87 E	2.61 E	5.50 E	7.73 E						17
18		4.38 F	4.16 F	2.90 F	2.72 F	5.57 F	7.82 E						18
19		4.41 E	4.12 E	2.69 E	2.89 E	5.72 E		8.93 E					19
20		4.47 E	4.12 F	2.39 E	2.84 E	5.77 F		8.97 E					20
21		4.50 F	3.20 F	2.08 E	2.87 E	5.82 E		9.00 E					21
22		4.53 F	2.31 F	2.38 E	2.91 E	5.88 F		9.03 E					22
23		4.56 E	1.77 F	2.58 E	3.06 F	5.96 E		9.08 E					23
24		4.60 F	1.80 E	2.73 E	3.24 E	6.04 E		9.06 E					24
25	4.11 E	4.68 F	2.01 E	2.88 E	3.32 E	6.09 E		8.99 F					25
26	3.10 E	4.80 E	2.15 E	2.98 E	3.52 F	6.14 E		9.06 E					26
27	2.89 F	4.85 E	2.28 F	3.07 E	3.71 E			9.11 E					27
28	2.97 F	4.84 E	2.23 E	3.24 E	3.84 E			9.11 F					28
29	3.04 F		2.24 E	3.38 E	3.99 F			8.94 E					29
30	3.14 E		2.02 E	3.54 E	4.20 E			8.99 F					30
31	3.21 F		1.96 F		4.32 F			9.06 E					31
-MONTHLY SUMMARY-													
MEAN		4.16	3.85	2.35	3.46								MEAN
INST MAX		3.24 ( 1 )	1.18 (31)	0.62 ( 1 )	1.94 (14)								INST MAX
INST MIN		4.86 (28)	5.30 (12)	3.54 (30)	4.41 (31)								INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF HALTON  
TOWNSHIP OF ESQUEWING  
CONC. 1 LOT 26  
WELL REC #1 2800686  
UTM CO-ORDS: Z=17 E576800 N4828000  
LAT & LONG: 43-36NORTH 80-03WEST  
REC METHOD: A35 RECORDER  
REC COMMENT: MAY 1966  
MEASURE PTS: 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 1200 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: CLAY TILL 4.5% BEDROCK 50%  
DIAMETER OF WELL: 7 INCHES  
LENGTH OF CASING: 26 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 50 FEET  
PUMP RATE: 4 IGPM  
SPEC. CAP: 0.41 IGPM/FT  
AQUIFER: ROCK  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		1.01	2.65	-0.72	0.34	1.74	3.78	5.06	5.73	5.03	5.04	3.61	1
2		1.09	2.68	-0.62	0.42	1.83	3.83	5.11	5.76	5.08	5.02	3.70	2
3		1.20	2.65	-0.55	0.51	1.94	3.87	5.08	5.81	5.08	5.05	3.69	3
4		1.29	2.70	-0.58	0.59	2.05	3.90	5.13	5.85	5.05	5.04	3.06	4
5		1.32	2.78	-0.61	0.53	2.15	3.95	5.18	5.89	4.54	5.06	2.45	5
6		1.40	2.83	-0.61	0.42	2.28	4.03	5.24	5.93	4.44	5.09	2.45	6
7		1.48	2.91	-0.80	0.48	2.35	4.06	5.11	5.99	4.37	5.11	2.50	7
8		1.59	2.92	-0.63	0.46	2.34	4.10	5.29	6.01	4.38	5.11	2.36	8
9		1.64	2.88	-0.54	0.17	2.43	4.16	5.28	6.06	4.40	5.11	2.12	9
10		1.68	2.83	-0.56	0.17	2.54	4.21	5.28	6.10	4.45	5.17	2.16	10
11		1.74	2.79	-0.86	0.28	2.62	4.28	5.32	6.09	4.49	5.21	2.30	11
12		1.81	2.84	-0.75	0.13	2.66	4.34	5.36	5.84	4.53	5.24	2.37	12
13		1.87	2.85	-0.63	-0.25	2.42	4.36	5.43	5.87	4.64	5.21	2.37	13
14		1.94	2.19	-0.50	-0.39	2.53	4.41	5.49	5.90	4.69	5.00	2.53	14
15		2.02	1.42	-0.42	-0.34	2.64	4.45	5.52	5.43	4.74	4.99	2.56	15
16		2.07	1.30	-0.37	-0.20	2.73	4.50	5.50	5.44	4.82	4.97	2.71	16
17		2.11	1.23	-0.32	-0.17	2.78	4.60	5.52	5.25	4.91	4.73	2.76	17
18		2.15	1.21	-0.27	-0.09	2.84	4.67	5.59	4.71	4.91	4.03	2.84	18
19		2.19	1.14	-0.52	0.03	2.91	4.69	5.62	3.97	4.90	3.97	2.90	19
20		2.24	1.11	-0.60	0.05	2.97	4.72	5.66	4.14	4.97	4.00	2.89	20
21		2.30	0.40	-0.61	-0.03	3.03	4.77	5.68	4.32	5.01	4.01	2.90	21
22		2.33	-0.06	-0.44	0.19	3.10	4.76	5.68	4.50	5.06	4.04	3.07	22
23		2.35	-0.25	-0.34	0.36	3.20	4.69	5.68	4.60	5.12	3.89	3.16	23
24		2.38	-0.22	-0.24	0.54	3.28	4.78	5.65	4.63	5.14	3.38	3.16	24
25		2.44	-0.17	-0.14	0.69	3.34	4.80	5.61	4.73	5.09	3.26	3.14	25
26	0.84	2.52	-0.14	-0.06	0.87	3.39	4.81	5.64	4.81	5.01	3.27	3.27	26
27	0.67	2.57	-0.13	-0.01	1.02	3.46	4.83	5.66	4.82	5.00	3.28	3.33	27
28	0.75	2.60	-0.17	0.09	1.17	3.55	4.89	5.62	4.91	5.02	3.38	3.42	28
29	0.81		-0.14	0.16	1.31	3.62	4.90	5.49	4.99	5.06	3.48	3.48	29
30	0.86		-0.20	0.27	1.44	3.71	4.97	5.58	5.00	5.05	3.54	3.48	30
31	0.92		-0.40		1.58		5.02	5.65		5.02		3.49	31
-MONTHLY SUMMARY-													
MEAN		1.90	1.43	-0.43	0.40	2.75	4.46	5.45	5.30	4.83	4.46	2.91	MEAN
INST MAX		0.97 (1)	-0.57 (31)	-0.95 (11)	-0.47 (13)	1.68 (1)	3.74 (1)	5.03 (1)	3.93 (19)	4.37 (7)	3.24 (26)	2.06 (9)	INST MAX
INST MIN		2.62 (28)	2.92 (7)	0.31 (30)	1.68 (31)	3.74 (30)	5.03 (31)	5.69 (20)	6.11 (11)	5.16 (24)	5.26 (12)	3.77 (3)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF HALTON  
TOWN OF GEORGETOWN  
CONC. - LOT -  
WELL REC #1 2804289  
UTM CO-ORDS: Z=17 E586240 N4832900  
LAT & LONG: 43-39NORTH 79-56WEST  
REC METHOD: A35 RECORDER  
REC COMMENT: APR 26 1973  
MEASURE PTS: 2.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 860 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: RED CLAY+ SAND AND GRAVEL 27% FINE SAND 80% COARSE SAND 109%  
DIAMETER OF WELL: 5 INCHES  
LENGTH OF CASING: 87 FEET  
LENGTH OF SCREEN: 22 FEET  
DEPTH OF WELL: 109 FEET  
PUMP RATE: 45 IGPM  
SPEC. CAP: N/A  
AQUIFER: COARSE SAND  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		5.88	5.98	5.09	3.58	3.77	4.85	5.85	6.60	7.52	8.49	9.20	1
2		5.87	5.89	5.02	3.62	3.77	4.71	5.72	6.61	7.55	8.48	9.22	2
3		5.89	5.90	4.65	3.63	3.78	4.69	5.79	6.63	7.58	8.52	9.23	3
4		5.87	5.93	4.27	3.60	3.78	4.70	5.81	6.62	7.57	8.54	9.23	4
5		5.84	5.97	4.82	3.61	3.79	4.90	5.81	6.69	7.59	8.53	9.27	5
6		5.84	5.99	4.62	3.67	3.80	5.25	5.74	6.07	7.60	8.59	9.31	6
7		5.82	5.98	4.47	3.63	3.91	5.71	5.76	6.57	7.66	8.63	9.33	7
8		5.86	6.00	4.44	3.58	3.85	5.09	5.77	7.98	7.71	8.65	9.34	8
9		5.88	5.99	4.39	3.99	3.88	5.69	5.81	7.29	7.73	8.69	9.36	9
10		5.81	6.29	4.31	3.74	3.90	5.39	5.87	7.17	7.85	8.82	9.34	10
11		5.80	6.08	4.42	3.72	3.95	5.50	5.91	7.11	7.82	8.78	9.40	11
12		5.81	6.09	4.15	3.68	3.98	6.29	5.92	7.08	7.83	8.79	9.63	12
13		5.81	6.09	4.09	3.61	4.10	5.55	6.12	7.10	7.88	8.65	9.58	13
14		5.82	6.01	4.09	3.50	4.01	6.35	6.84	7.10	7.90	8.75	9.55	14
15		5.82	6.00	4.04	3.53	4.01	6.60	6.49	7.09	7.92	8.82	9.56	15
16		5.83	5.64	4.02	3.61	4.05	6.19	6.18	7.12	7.97	9.12	9.57	16
17		5.73	5.93	3.97	3.76	4.05	6.22	6.15	7.11	8.02	8.83	9.54	17
18		5.79	5.96	3.91	3.63	4.02	6.64	6.18	7.11	8.04	8.80	9.48	18
19		5.81	5.91	4.26	3.63	4.09	6.66	6.19	7.04	8.06	8.90	9.59	19
20		5.82	5.95	3.86	3.59	4.66	6.91	6.18	7.27	8.09	8.79	9.61	20
21		5.84	5.97	3.79	3.58	4.49	5.88	6.23	7.19	8.12	8.93	9.63	21
22		5.84	5.80	3.79	3.62	4.93	5.61	6.48	7.22	8.11	8.98	9.66	22
23		6.20	5.71	3.73	3.59	4.71	5.54	6.31	7.23	8.18	8.98	9.67	23
24		5.91	5.63	3.79	3.59	4.39	5.52	6.64	7.23	8.21	9.01	9.64	24
25		5.88	5.55	3.98	4.13	4.52	5.53	6.42	7.27	8.22	9.04	9.69	25
26	5.90	5.48	3.81	3.71	4.42	5.56	6.40	7.32	8.31	9.07	9.68	9.68	26
27	5.95	5.91	3.70	3.67	4.79	5.56	6.42	7.35	8.30	9.10	9.74	9.74	27
28	5.95	5.89	3.67	4.91	5.04	5.62	6.43	7.50	8.32	9.12	9.75	9.75	28
29	5.95		3.30	3.64	4.18	5.56	5.55	6.45	7.47	8.37	9.15	9.77	29
30	5.93		3.62	3.59	3.87	5.29	5.58	6.49	7.49	8.39	9.18	9.78	30
31	5.82		5.29		3.76		5.77	6.61		8.49		9.74	31
-MONTHLY SUMMARY-													
MEAN		5.86	5.83	4.15	3.73	4.24	5.66	6.16	7.22	7.96	8.82	9.52	MEAN
INST MAX		4.83 (17)	4.40 (29)	2.65 (30)	2.59 (14)	2.92 (11)	4.38 (5)	4.83 (6)	5.80 (4)	6.72 (5)	7.68 (5)	8.53 (10)	INST MAX
INST MIN		8.05 (23)	8.16 (10)	6.66 (5)	6.40 (28)	7.41 (21)	8.24 (20)	8.47 (15)	9.59 (7)	10.21 (31)	10.93 (17)	11.24 (12)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF HALTON  
OBSERVATION WELL 379  
TOWNSHIP OF TRAFALGAR  
CONC. 3 LOT 14  
WELL REF #1 2803707  
UTM CO-ORDS 2-17 F591175 N4818750  
LAT & LONG: 43-31NORTH 79-52WEST  
REC METHOD: FET TYPE RECORDER  
REC COMMENT: SEP 29 1971  
MEASURE PT: 2.4 FEET ABOVE GROUND SURFACE  
GND. ELEV: 659 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 11 VERY HARD CLAY TILL 71 GRAVEL AND SOME GREY CLAY 8.51 BROWNISH CLAY 11.5.  
DIA. OF WELL: 4 INCHES  
LENGTH OF CASING: 8 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 9 FEET  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: CLAY  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.39	2.35	4.08	0.46	1.81	2.78	4.60	5.60	6.41		5.62	4.79	1
2	1.53	2.37	4.13	0.48	1.97	2.88	4.60	5.62			5.63	4.75	2
3	1.68	2.41	4.15	0.51	2.12	2.98	4.59	5.65			5.64	4.73	3
4	1.82	2.48	4.16	0.56	2.26	3.10	4.60	5.68			5.66	4.59	4
5	1.97	2.54	4.20	0.64	2.39	3.20	4.63	5.70			5.67	4.27	5
6	2.11	2.61	4.25	0.68	2.53	3.30	4.65	5.72			5.69	3.93	6
7	2.23	2.68	4.29	0.66		3.38	4.66	5.74			5.72	3.70	7
8	2.32	2.75	4.33	0.66		3.42	4.68	5.76	6.57		5.74	3.51	8
9	2.49	2.82	4.35	0.69		3.51	4.71	5.78	6.60		5.75	3.32	9
10	2.18	2.89	4.36	0.71		3.59	4.75	5.80	6.64		5.76	3.15	10
11	2.13	2.96	4.35	0.67		3.68	4.80	5.83	6.67		5.77	3.03	11
12	2.13	3.04	4.26	0.64		3.76	4.85	5.85	6.69	5.08	5.78	2.97	12
13	2.14	3.13	4.05	0.67		3.83	4.89	5.88	6.71	5.08	5.79	2.93	13
14	2.17	3.21	3.59	0.73		3.91	4.92	5.90		5.10	5.79	2.93	14
15	2.24	3.29	3.02	0.83		3.98	4.96	5.93		5.12	5.80	2.94	15
16	2.32	3.36	2.49	0.94		4.09	5.00	5.94		5.16	5.82	2.97	16
17	2.41	3.43	2.10	1.06		4.15	5.06	5.97		5.21	5.83	3.07	17
18	2.51	3.50	1.80	1.09		4.20	5.11	6.03		5.25	5.83	3.09	18
19	2.62	3.56	1.55	1.06		4.26	5.16	6.05		5.27	5.82	3.14	19
20	2.72	3.62	1.33	0.98		4.30	5.21	6.08		5.27	5.80	3.17	20
21	2.80	3.67	1.16	0.93		4.34	5.24	6.12		5.29	5.76	3.20	21
22	2.87	3.72	1.01	0.94		4.39	5.27	6.15		5.32	5.70	3.25	22
23	2.96	3.77	0.91	1.01		4.43	5.29	6.19		5.35	5.62	3.32	23
24	3.05	3.81	0.82	1.11		4.48	5.33	6.21		5.39	5.52	3.36	24
25	3.10	3.87	0.75	1.25		4.51	5.38	6.24		5.41	5.38	3.37	25
26	3.04	3.93	0.71		2.04	4.53	5.41	6.27		5.42	5.23	3.42	26
27	2.82	3.99	0.67		2.17	4.57	5.44	6.29		5.45	5.07	3.47	27
28	2.60	4.05	0.62		2.29	4.60	5.48	6.31		5.40	4.93	3.54	28
29	2.47		0.58	1.52	2.40	4.62	5.50	6.34		5.55	4.87	3.62	29
30	2.40		0.54	1.67	2.52	4.61	5.53	6.37		5.59	4.81	3.68	30
31	2.37		0.50		2.65		5.56	6.40		5.61		3.72	31

-MONTHLY SUMMARY-

MEAN	2.37	3.21	2.55			3.91	5.03	5.98			5.59	3.51	MEAN
INST	1.32	2.34	0.47			2.72	4.59	5.58			4.80	2.92	INST
MAX	( 1 )	( 1 )	( 31 )			( 1 )	( 3 )	( 1 )			( 30 )	( 13 )	MAX
INST	3.13	4.07	4.36			4.62	5.58	6.41			5.83	4.81	INST
MIN	( 26 )	( 28 )	( 11 )			( 29 )	( 31 )	( 31 )			( 17 )	( 1 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF HALTON  
OBSERVATION WELL 531  
CITY OF BURLINGTON  
NS 3 LOT 2  
WELL REF #1 N.A.  
UTM CO-ORDS 2-17 F590760 N4806960  
LAT & LONG: 43-45 NORTH 79-52WEST  
REC METHOD: FET TYPE RECORDER  
REC COMMENT: APRIL 1977  
MEASURE PT: 2.5 FEET ABOVE GROUND SURFACE  
GND. ELEV: 925 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: POSSIBLE LOG: OVERBURDEN 03; LIMESTONE BEDROCK 65.  
DIA. OF WELL: 6 INCHES  
LENGTH OF CASING: N.A.  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 65 FEET  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY: N.A.

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12.55	15.73	20.80	9.32		18.67		28.84		35.26		40.54	1
2	12.88	15.96	20.97	9.64		18.90		28.95		35.44		40.53	2
3	13.43	16.34	20.76	9.80		19.03		29.07		35.58		40.55	3
4	13.82	16.62	20.79	9.83		19.07		29.24		35.68		40.51	4
5	14.07	16.69	20.89	10.12		19.18		29.43		35.74		40.32	5
6	14.30	16.77	20.93	10.26		19.47	24.70	29.54		35.78		40.09	6
7	14.52	17.00	21.06	9.99		19.49	24.81	29.65		35.82		40.01	7
8	14.41	17.35	21.03	10.26		19.55	24.89	29.71		35.86		39.98	8
9	13.63	17.42	20.89	10.56		19.97	25.00	29.73		35.91		39.92	9
10	13.78	17.44	20.76	10.66		20.50	25.11	29.71		35.98		39.92	10
11	13.94	17.57	20.75	10.51		20.61	25.27	29.78			39.50	39.95	11
12	14.22	17.80	20.68	10.28		20.75	25.37	29.96			39.53	39.97	12
13	14.45	17.96	20.53	10.46		20.98	25.45	30.10	34.25		39.54	39.93	13
14	14.67	18.21	19.10	10.97		21.19	25.70	30.23	34.37		39.57	39.96	14
15	14.89	18.60	16.18	11.23		21.36	26.04	30.36	34.43		39.64	39.97	15
16	15.21	18.79	15.30	11.61			26.20	30.45	34.46		39.69	40.10	16
17	15.69	18.95		11.88			26.38	30.55	34.47		39.74	40.18	17
18	15.85	19.04		12.08			26.54	30.65	34.21		39.83	40.25	18
19	16.18	19.14	14.28	11.82			26.70	30.75	33.79		39.90	40.30	19
20	16.34	19.29	13.96				26.83	30.85	33.81		39.92	40.28	20
21	16.37	19.39	12.07				27.11	30.95	33.95		39.93	40.40	21
22	16.57	19.48	10.78				27.47	31.06	34.12		39.95	40.45	22
23	16.74	19.52	10.14				27.72	31.17	34.24		39.97	40.49	23
24	16.89	19.63	9.92				27.91	31.28	34.32		40.02	40.49	24
25	17.08	19.98	9.74				28.07	31.38	34.42		40.19	40.53	25
26	16.82	20.39	9.82		16.70				34.52		40.25	40.58	26
27	15.25	20.61	10.09		17.20				34.58		40.29	40.60	27
28	15.27	20.66	10.21		17.48				34.70		40.33	40.63	28
29	15.38		10.38		17.70				34.82		40.39	40.64	29
30	15.51		10.31		17.94				35.04		40.43	40.66	30
31	15.67		9.86		18.29							40.67	31

-MONTHLY SUMMARY-

MEAN	15.05	18.30										40.30	MEAN
INST	12.43	15.70										39.87	INST
MAX	( 1 )	( 1 )										( 9 )	MAX
INST	17.19	20.68										40.68	INST
MIN	( 26 )	( 28 )										( 31 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
NORTHAMHERLAND COUNTY

OBSERVATION WELL 530

TOWNSHIP OF HOPE

CONC. 3 2 LOT 6

WELL REC #1 1901998  
UTM CO=0401 Z=17 E707800 N4870500  
LAT & LONG: 43°58'NORTH 78°25'WEST

REC METHOD: A35 RECORDER  
REC COMMENT: OCT. 25 1977  
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 480 FEET ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: TOPSOIL 013 SANDY BROWN CLAY 124 GRAVELLY BROWN CLAY

DIAMETER OF WELL: 30 INCHES  
LENGTH OF CASING: 22.5 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 22.5 FEET

PUMP RATE: 2 IGPM  
SPEC. CAP: N/A  
AQUIFER: GRAVELLY BROWN CLAY  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.71	4.07	5.68	1.24	4.06	5.15	7.20	8.77	9.53	8.00	6.92	5.59	1
2	3.78	4.19	5.72	1.48	4.17	5.18	7.25	8.83	9.54	7.97	6.88	5.59	2
3	3.93	4.31	5.70	1.73	4.26	5.28	7.31	8.85	9.55	7.92	6.88	5.56	3
4	4.06	4.41	5.72	1.83	4.35	5.39	7.38	8.88	9.58	7.87	6.87	5.31	4
5	4.13	4.46	5.79	1.41	4.42	5.48	7.45	8.89	9.61	7.83	6.86	5.00	5
6	4.19	4.54	5.84	1.48	4.40	5.60	7.51	8.89	9.63	7.75	6.87	4.99	6
7	4.24	4.62	5.89	1.24	4.23	5.67	7.56	8.70	9.65	7.70	6.89	5.00	7
8	3.97	4.72	5.90	1.57	4.16	5.69	7.60	8.94	9.68	7.65	6.90	4.90	8
9	2.25	4.79	5.90	1.78	3.75	5.76	7.66	8.98	9.72	7.60	6.88	4.76	9
10	2.38	4.83	5.89	1.92	3.64	5.86	7.71	9.01	9.75	7.54	6.92	4.76	10
11	2.84	4.87	5.89	1.63	3.78	5.92	7.79	9.05	9.77	7.49	6.93	4.88	11
12	3.19	4.94	5.91	1.44	3.89	5.98	7.85	9.07	9.80	7.43	6.98	4.99	12
13	3.43	5.00	5.93	1.60	3.80	6.06	7.90	9.10	9.77	7.42	6.97	5.03	13
14	3.60	5.05	5.68	2.05	3.57	6.13	7.95	9.15	9.66	7.41	6.91	5.06	14
15	3.77	5.12	4.56	2.45	2.85	6.19	8.00	9.18	9.54	7.36	6.88	5.07	15
16	3.98	5.17	4.24	2.71	3.02	6.24	8.06	9.21	9.41	7.32	6.82	5.12	16
17	4.15	5.21	4.20	2.89	3.17	6.28	8.12	9.24	9.32	7.31	6.71	5.10	17
18	4.26	5.24	4.20	3.04	3.31	6.34	8.19	9.29	9.24	7.25	6.49	5.04	18
19	4.38	5.28	4.19	2.92	3.33	6.43	8.25	9.33	9.10	7.20	6.33	5.10	19
20	4.46	5.33	4.24	2.31	3.55	6.49	8.30	9.37	8.78	7.19	6.23	5.21	20
21	4.53	5.36	3.70	1.79	3.61	6.54	8.34	9.41	8.53	7.19	6.15	5.30	21
22	4.63	5.39	2.61	2.30	3.85	6.61	8.38	9.44	8.40	7.18	6.10	5.50	22
23	4.69	5.43	2.17	2.67	4.07	6.68	8.42	9.47	8.29	7.18	6.01	5.63	23
24	4.72	5.46	2.01	2.95	4.26	6.75	8.47	9.50	8.17	7.19	5.78	5.68	24
25	4.71	5.51	2.36	3.20	4.44	6.80	8.50	9.52	8.10	7.15	5.63	5.67	25
26	4.07	5.58	2.60	3.38	4.63	6.85	8.52	9.52	8.07	7.11	5.56	5.76	26
27	3.30	5.63	2.75	3.53	4.78	6.91	8.55	9.52	8.02	7.10	5.50	5.84	27
28	3.49	5.65	2.75	3.67	4.92	7.00	8.61	9.53	8.00	7.06	5.49	5.90	28
29	3.66		2.48	3.81	5.03	7.06	8.64	9.53	8.01	7.05	5.48	5.94	29
30	3.81		1.99	3.95	5.13	7.13	8.69	9.53	8.00	7.00	5.58	5.95	30
31	3.94		1.57		5.18		8.73	9.53		6.94		5.95	31

-MONTHLY SUMMARY-

MEAN	3.88	5.01	4.32	2.33	4.05	6.18	8.03	9.21	9.07	7.40	6.45	5.33	MEAN
INST MAX	2.11 ( 1 )	4.02 ( 1 )	1.34 ( 31 )	1.05 ( 1 )	2.81 ( 15 )	5.15 ( 2 )	7.17 ( 1 )	8.74 ( 1 )	7.99 ( 30 )	6.93 ( 31 )	5.46 ( 28 )	4.73 ( 10 )	INST MAX
INST MIN	4.72 ( 24 )	5.66 ( 28 )	5.94 ( 13 )	4.02 ( 30 )	5.20 ( 31 )	7.17 ( 30 )	8.74 ( 31 )	9.54 ( 30 )	9.81 ( 12 )	8.00 ( 1 )	6.98 ( 12 )	5.96 ( 31 )	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF PEEL

OBSERVATION WELL 253

TOWNSHIP OF ALBION

CONC. 6 LOT 23

WELL REC #1 4904160  
UTM CO=0401 Z=17 E594400 N48664030  
LAT & LONG: 43°57'NORTH 79°49'WEST

REC METHOD: IF1 TYPE RECORDER  
REC COMMENT: MAR 3 1970  
MEASURE PT: 3.6 FEET ABOVE GROUND SURFACE  
GND ELEV: 900 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK SOIL 4; BROWN CLAY, SAND AND STONES 38; BROWN SAND AND A FEW STONES 65; GREY CLAY, STONES AND SAND 68;  
BROWNISH YELLOW SILT, CLAY 106; BLUE CLAY AND STONES 130; BROWNISH YELLOW SILT, CLAY 214; GREY HARDPAN 218.

REC METHOD: A35 RECORDER

DIAMETER OF WELL: 6 INCHES

PUMP RATE: N.A.

REC COMM: DEC 15 1965

LENGTH OF CASING: 15 FEET

SPEC. CAP: N.A.

MEASURE PT: 4.5 FEET ABOVE GROUND SURFACE

LENGTH OF SCREEN: 5 FEET

AQUIFER: CLAY AND GRAVEL

GND ELEV: 675 FEET ABOVE SEA LEVEL

DEPTH OF WELL: 20 FEET

QUALITY: FRESH

WELL TYPE: DRILLED

WELL LOG: TOPSOIL 2% BROWN CLAY; GRAVEL 7% SAND AND GRAVEL 17% CLAY AND GRAVEL 20%.

1978

DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.09	5.63		4.19	4.25	4.79	5.66	6.62	7.23	6.79	7.19	7.30	1
2	5.13	5.65		4.05	4.30	4.84	5.69	6.64	7.23	6.79	7.20	7.30	2
3	5.20	5.68		4.04	4.34	4.88	5.74	6.64	7.24	6.81	7.22	7.30	3
4	5.24	5.69		4.06	4.39	4.90	5.78	6.66	7.25	6.84	7.23	7.26	4
5	5.24	5.70		4.05	4.41	4.96	5.82	6.67	7.26	6.85	7.25	7.24	5
6	5.25	5.70		3.98	4.49	4.99	5.87	6.71	7.29	6.86	7.27	7.23	6
7	5.29			3.76	4.54	5.03	5.91	6.74	7.31	6.90	7.28	7.23	7
8	5.31			3.72	4.54	5.06	5.95	6.76	7.32	6.92	7.29	7.20	8
9	5.30			3.79	4.55	5.11	5.99	6.78	7.35	6.93	7.30	7.18	9
10	5.37			3.82	4.60	5.14	6.03	6.80	7.36	6.95	7.30	7.14	10
11	5.39			3.77	4.62	5.15	6.08	6.83	7.37	6.95	7.30	7.10	11
12	5.42			3.70	4.62	5.16	6.11	6.85	7.38	6.94	7.29	7.06	12
13	5.43			3.74	4.63	5.20	6.14	6.87	7.36	6.96	7.29	7.03	13
14	5.44			3.84	4.56	5.24	6.16	6.92	7.32	6.97	7.29	7.03	14
15	5.46			3.91	4.42	5.29	6.19	6.95	7.29	6.98	7.30		15
16	5.50			3.96	4.38	5.29	6.23	6.98	7.28	7.02	7.32		16
17	5.50			4.01	4.38	5.30	6.25	7.00	7.26	7.05	7.32		17
18	5.52		6.08	4.03	4.37	5.34	6.25	7.01	7.24	7.03	7.33		18
19	5.56		6.07	4.04	4.39	5.37	6.27	7.03	7.17	7.03	7.34		19
20	5.56		6.08	4.01	4.40	5.41	6.29	7.05	7.03	7.03	7.34		20
21	5.58		5.92	3.87	4.44	5.44	6.33	7.08	6.91	7.03	7.33		21
22	5.62		5.70	3.84	4.46	5.47	6.36	7.10	6.84	7.04	7.34		22
23	5.63		5.52	3.87	4.46	5.50	6.40	7.12	6.81	7.04	7.34		23
24	5.64		5.26	3.91	4.48	5.52	6.42	7.14	6.79	7.05	7.34		24
25	5.63			3.98	4.53	5.54	6.44	7.16	6.77	7.05	7.33		25
26	5.51			4.04	4.57	5.55	6.46	7.17	6.77	7.07	7.33		26
27	5.52			4.08	4.60	5.53	6.49	7.21	6.77	7.10	7.33		27
28	5.56			4.11	4.63	5.57	6.53	7.22	6.76	7.11	7.33		28
29	5.58			4.13	4.66	5.60	6.55	7.22	6.77	7.12	7.33		29
30	5.59		4.75	4.19	4.70	5.63	6.58	7.22	6.79	7.14	7.31		30
31	5.61		4.55		4.74		6.61	7.23		7.17			31

-MONTHLY SUMMARY-

MEAN	5.44			3.95	4.50	5.26	6.18	6.95	7.12	6.98	7.30		MEAN
INST	5.09			3.69	4.20	4.76	5.65	6.61	6.76	6.79	7.18		INST
MAX	( 1 )			( 13 )	( 1 )	( 1 )	( 1 )	( 1 )	( 29 )	( 2 )	( 1 )		MAX
INST	5.64			4.39	4.76	5.65	6.61	7.24	7.38	7.18	7.34		INST
MIN	( 24 )			( 1 )	( 31 )	( 30 )	( 31 )	( 31 )	( 12 )	( 31 )	( 19 )		MIN

REC METHOD: A35 RECORDER

DIAMETER OF WELL: 12 INCHES

PUMP RATE: N.A.

REC COMM: MAR 4 1966

LENGTH OF CASING: 53 FEET

SPEC. CAP: N.A.

MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE

LENGTH OF SCREEN: 20 FEET

AQUIFER: SAND AND GRAVEL

GND ELEV: 816 FEET ABOVE SEA LEVEL

DEPTH OF WELL: 73 FEET

QUALITY: FRESH

WELL TYPE: DRILLED

WELL LOG: TOPSOIL 1% SANDY CLAY; ODD BIT OF GRAVEL 2% SAND; CLAY AND SOME GRAVEL 3% SAND AND GRAVEL 47% FINE SAND; AND GRAVEL; ODD BIT OF CLAY 51% CLAY; SAND; GRAVEL 55% SAND; GRAVEL AND ODD BIT OF CLAY 80%.

1978

DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	25.24	25.29	25.21	24.53	22.67	22.29	22.21	22.12	22.49	22.68	22.85	23.15	1
2		25.27	25.24	24.70	22.66	22.34	22.22	22.15	22.47	22.76	22.90	23.12	2
3		25.33	25.10	24.52	22.61	22.31	22.23	22.13	22.41	22.70	22.91	23.21	3
4		25.33	25.18	24.50	22.54	22.35	22.17	22.20	22.50	22.67	22.95	23.32	4
5		25.20	25.25	24.51	22.48	22.36	22.10	22.21	22.51	22.72	22.99	23.28	5
6	25.22	25.19	25.27	24.44	22.56	22.31	22.13	22.21	22.50	22.63	22.91	23.17	6
7	25.19	25.17	25.35	24.35	22.53	22.41	22.16	22.20	22.56	22.72	23.00	23.18	7
8	25.05	25.23	25.29	24.33	22.34	22.44	22.18	22.18	22.56	22.83	23.02	23.24	8
9	25.01	25.17	25.18	24.25	22.29	22.36	22.16	22.17	22.60	22.84	23.05	23.28	9
10	25.13	25.10	25.17	24.09	22.41	22.30	22.13	22.21	22.60	22.84	23.07	23.24	10
11	25.24	25.08	25.19	23.93	22.41	22.37	22.04	22.23	22.56	22.80	23.07	23.24	11
12	25.24	25.09	25.26	23.93	22.25	22.42	22.01	22.24	22.63	22.71	23.03	23.24	12
13	25.18	25.10	25.31	23.89	22.15	22.36	22.09	22.27	22.71	22.83	23.11	23.34	13
14	25.09	25.13	25.10	23.91	22.15	22.28	22.09	22.28	22.61	22.84	23.15	23.27	14
15	25.06	25.19	25.32	23.80	22.16	22.26	22.10	22.27	22.56	22.83	23.05	23.30	15
16	25.16	25.16	25.35	23.74	22.14	22.30	22.07	22.19	22.57	22.90	23.02	23.29	16
17	25.21	25.14	25.31	23.70	22.11	22.39	22.02	22.26	22.67	22.94	23.20	23.31	17
18	25.13	25.12	25.30	23.57	22.10	22.40	22.02	22.32	22.70	22.85	23.16	23.31	18
19	25.18	25.11	25.23	23.42	22.06	22.35	22.03	22.28	22.71	22.76	23.03	23.31	19
20	25.09	25.12	25.30	23.34	22.10	22.34	22.03	22.41	22.67	22.80	22.99	23.39	20
21	25.08	25.12	25.10	23.37	22.06	22.39	22.04	22.42	22.68	22.82	23.01	23.43	21
22	25.17	25.11	25.18	23.43	22.06	22.33	22.02	22.38	22.78		23.07	23.34	22
23	25.15	25.07	25.21	23.28	22.17	22.30	22.02	22.37	22.79		23.29	23.37	23
24	25.04	25.07	25.30	23.19	22.19	22.29	22.10	22.33	22.66		23.25	23.38	24
25	24.94	25.11	25.14	23.13	22.18	22.34	22.05	22.38	22.68		23.11	23.41	25
26	24.81	25.21	24.93	23.06	22.18	22.38	21.95	22.41	22.70		23.07	23.23	26
27	25.15	25.23	24.80	22.97	22.20	22.34	22.08	22.43	22.60		23.17	23.14	27
28	25.24	25.20	24.76	22.90	22.25	22.27	22.08	22.30	22.71		23.20	23.12	28
29	25.28		24.80	22.80	22.28	22.26	22.02	22.35	22.75		23.16	23.14	29
30	25.29		24.75	22.75	22.32	22.22	22.12	22.46	22.67		23.19	23.23	30
31	25.25		24.61		22.32		22.09	22.48				23.31	31

-MONTHLY SUMMARY-

MEAN		25.17	25.14	23.74	22.29	22.34	22.09	22.29	22.62		23.07	23.27	MEAN
INST		25.04	24.49	22.70	22.01	22.21	21.88	22.09	22.38		22.84	23.11	INST
MAX		( 23 )	( 31 )	( 30 )	( 22 )	( 30 )	( 26 )	( 1 )	( 3 )		( 1 )	( 3 )	MAX
INST		25.36	25.40	24.75	22.70	22.47	22.23	22.49	22.82		23.38	23.52	INST
MIN		( 4 )	( 19 )	( 2 )	( 1 )	( 8 )	( 3 )	( 31 )	( 23 )		( 23 )	( 21 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF DEFL  
OBSERVATION WELL 065  
TOWNSHIP OF TORONTO  
R 3 CTR LOT 13  
WELL REC #1 4902206  
UTM CO-ORD: Z=17 E609543 N4920409  
LAT & LONG: 43=32NORTH 79=39WEST  
REC METHOD: A35 RECORDED  
REC COMMENT: JUN 4 1954  
MEASURE PT: 1.0 FEET ABOVE GROUND SURFACE  
GRID ELEV: 360 FEET ABOVE SEA LEVEL  
WELL TYPE: OUG  
WELL LOG: SAND AND GRAVEL 271 RED SHALE 31.  
DIAMETER OF WELL: 36 INCHES  
LENGTH OF CASING: 31 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 31 FEET  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SHALE  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	22.61		22.57	21.64	21.16	21.36		22.00	22.65				1
2	22.55		22.58	21.73	21.15	21.35		21.99	22.67				2
3	22.54		22.57	21.73	21.13	21.34		22.00	22.67				3
4	22.52		22.59	21.68	21.11	21.33		22.01	22.70				4
5	22.50		22.61	21.68	21.09	21.33		22.03	22.71				5
6	22.49		22.63	21.67	21.11			22.03	22.72				6
7	22.48		22.65	21.63	21.11			22.03	22.73				7
8	22.43		22.66	21.62	21.07		21.75	22.03	22.75				8
9	22.39		22.64	21.60	21.04		21.77	22.03	22.77				9
10	22.39		22.63	21.56	21.11		21.79	22.05	22.78				10
11	22.42		22.64	21.53	21.16		21.81	22.09	22.78				11
12	22.41		22.66	21.54	21.17		21.81	22.11	22.79				12
13	22.39		22.67	21.54	21.18		21.81	22.15	22.82				13
14	22.37		22.58	21.55	21.21		21.83	22.21					14
15	22.36		22.38	21.54	21.23		21.84	22.25					15
16	22.38		22.26	21.52	21.25		21.85	22.28					16
17	22.39		22.19	21.50	21.28		21.87	22.32					17
18	22.38		22.14	21.47	21.30		21.90	22.39					18
19	22.39		22.08	21.42	21.31		21.91	22.40					19
20	22.38		22.04	21.39	21.33		21.91	22.44					20
21	22.38		21.94	21.39	21.35		21.91	22.46					21
22	22.40		21.81	21.40	21.36		21.92	22.47					22
23	22.40		21.76	21.37	21.37		21.92	22.49					23
24	22.38	22.47	21.75	21.33	21.38		21.95	22.51					24
25		22.49	21.73	21.31	21.40		21.95	22.53					25
26		22.53	21.70	21.28	21.42		21.95	22.54					26
27		22.55	21.69	21.25	21.42		21.95	22.56					27
28		22.57	21.68	21.23	21.39		21.95	22.57					28
29			21.68	21.20	21.37		21.96	22.58					29
30			21.68	21.19	21.36		21.97	22.62					30
31			21.66		21.35		21.99	22.64					31
-MONTHLY SUMMARY-													
MEAN			22.22	21.48	21.25			22.28					MEAN
INST			21.63	21.18	21.03			21.99					INST
MAX			(31)	(30)	(9)			(2)					MAX
INST			22.68	21.75	21.43			22.65					INST
MIN			(13)	(3)	(27)			(31)					MIN

ENVIRONMENT ONTARIO  
TORONTO  
SIMCOE COUNTY  
OBSERVATION WELL 529  
CITY OF BARRIE  
CONC. = LOT =  
WELL REC #1 5715034  
UTM CO-ORD: Z=17 E605145 N4912050  
LAT & LONG: 44=22 NORTH 79=41 WEST  
REC METHOD: A71 RECORDED  
REC COMMENT: APR 07 1976  
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE  
GRID ELEV: 865 FEET ABOVE SEA LEVEL  
WELL TYPE: BORED  
WELL LOG: SAND 24.  
DIAMETER OF WELL: 30 INCHES  
LENGTH OF CASING: N.A.  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 24 FEET  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SAND  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		16.55	16.75	16.51		15.25	15.64	16.00	16.21	16.31	16.48	16.67	1
2		16.55	16.77	16.49		15.26	15.66	16.01	16.22	16.31	16.48	16.68	2
3		16.56	16.77	16.45		15.28	15.67	16.03	16.23	16.31	16.48	16.70	3
4		16.57	16.77	16.39		15.30	15.68	16.02	16.23	16.31	16.49	16.70	4
5		16.58	16.77	16.36		15.30	15.70	16.03	16.24	16.32	16.49	16.70	5
6		16.59	16.77	16.33		15.32	15.72	16.04	16.25	16.32	16.50	16.70	6
7		16.60	16.79	16.30		15.33	15.75	16.05	16.27	16.32	16.52	16.72	7
8		16.60	16.80	16.27		15.34	15.76	16.05	16.27	16.32	16.53	16.73	8
9		16.61	16.80	16.22		15.36	15.77	16.07	16.27	16.32	16.53	16.73	9
10		16.61	16.80	16.16		15.40	15.77	16.07	16.28	16.32	16.55	16.74	10
11		16.62	16.80		15.11	15.42	15.77	16.07	16.28	16.32	16.55	16.74	11
12		16.62	16.80		15.12	15.44	15.80	16.09	16.29	16.31	16.57	16.74	12
13		16.63	16.81		15.12	15.45	15.81	16.11	16.31	16.31	16.58	16.75	13
14		16.64	16.81		15.12	15.45	15.82	16.13	16.32	16.32	16.59	16.76	14
15		16.64	16.81		15.12	15.46	15.84	16.15	16.32	16.32	16.60	16.77	15
16		16.64	16.81		15.12	15.49	15.86	16.14	16.32	16.31	16.61	16.77	16
17		16.64	16.80		15.12	15.50	15.87	16.14	16.32	16.32	16.61	16.77	17
18		16.64	16.80		15.11	15.50	15.89	16.15	16.32	16.32	16.61	16.76	18
19		16.65	16.77		15.11	15.50	15.91	16.15	16.32	16.32	16.61	16.77	19
20	16.60	16.65	16.77		15.10	15.50	15.93	16.15	16.32	16.35	16.62	16.77	20
21	16.60	16.66	16.77		15.10	15.50	15.94	16.17	16.31	16.35	16.63	16.77	21
22	16.60	16.67	16.75		15.10	15.50	15.93	16.19	16.31	16.35	16.63	16.77	22
23	16.60	16.68	16.72		15.10	15.50	15.93	16.19	16.31	16.35	16.63	16.77	23
24	16.59	16.68	16.71		15.10	15.52	15.94	16.19	16.30	16.36	16.63	16.78	24
25	16.59	16.69	16.66		15.11	15.53	15.96	16.19		16.38	16.64	16.78	25
26	16.57	16.70	16.62		15.14	15.54	15.97	16.19		16.38	16.65	16.79	26
27	16.56	16.72	16.59		15.16	15.56	15.97	16.19	16.30	16.40	16.65	16.82	27
28	16.55	16.72	16.58		15.18	15.60	15.98	16.19	16.30	16.41	16.65	16.82	28
29	16.55		16.57		15.21	15.62	15.98	16.19	16.30	16.42	16.66	16.82	29
30	16.55		16.57		15.23	15.63	15.98	16.20	16.30	16.46	16.66	16.82	30
31	16.55		16.56		15.24		15.99	16.21		16.48		16.82	31
-MONTHLY SUMMARY-													
MEAN		16.63	16.74			15.44	15.84	16.12		16.35	16.58	16.76	MEAN
INST		16.55	16.54			15.25	15.63	15.99		16.30	16.48	16.66	INST
MAX		(1)	(31)			(1)	(1)	(1)		(1)	(1)	(1)	MAX
INST		16.73	16.82			15.63	16.00	16.22		16.48	16.66	16.83	INST
MIN		(24)	(14)			(30)	(31)	(31)		(31)	(29)	(31)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
SIMCOE COUNTY

OBSERVATION WELL 007

TOWNSHIP OF ESSA

CONC. 3

LOT 30

WELL REC #1 5708713  
UTM CO-ORDS: 7-17 E589850 N4907950  
LAT & LONG: 44-19NORTH 79-52WEST

REC METHOD# A35 RECORDER  
REC COMM# JUN 6 1950  
MEASURE PT: 1.5 FEET ABOVE GROUND SURFACE  
GND ELEV: 626 FEET ABOVE SEA LEVEL  
WELL TYPE# DUG  
WELL LOG: OVERBURDEN 20.

DIAMETER OF WELL: 36 INCHES  
LENGTH OF CASING: 20 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 20 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: OVERBURDEN  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			11.51	10.90	8.70	9.18	9.87	10.76	11.40	11.87	11.83	12.10	1
2			11.52	10.83	8.68	9.21	9.89	10.79	11.43	11.88	11.85	12.10	2
3			11.54	10.73	8.67	9.24	9.92	10.82	11.46	11.89	11.88	12.11	3
4			11.55	10.63	8.67	9.26	9.95	10.85	11.48	11.90	11.88	12.11	4
5			11.56	10.54	8.66	9.28	9.98	10.87	11.51	11.90	11.90	12.11	5
6			11.58	10.46	8.67	9.31	10.02	10.89	11.54	11.88	11.92	12.12	6
7			11.60	10.36	8.69	9.33	10.05	10.92	11.57	11.87	11.93	12.12	7
8			11.63	10.26	8.69	9.35	10.09	10.94	11.59	11.83	11.95	12.12	8
9			11.65	10.15	8.68	9.39	10.12	10.96	11.62	11.78	11.96	12.12	9
10			11.65	10.04	8.71	9.42	10.15	10.98	11.65	11.75	11.98	12.12	10
11			11.67	9.94	8.75	9.44	10.17	11.01	11.66	11.72	11.99	12.13	11
12			11.68	9.85	8.75	9.47	10.21	11.03	11.69	11.70	12.00	12.13	12
13			11.69	9.75	8.76	9.50	10.23	11.06	11.72	11.69	12.01	12.13	13
14			11.69	9.66	8.78	9.51	10.25	11.09	11.74	11.68	12.02	12.13	14
15		11.29	11.69	9.57	8.80	9.53	10.28	11.12	11.75	11.67	12.02	12.13	15
16		11.30	11.68	9.50	8.80	9.56	10.31	11.13	11.77	11.67	12.02	12.14	16
17		11.31	11.66	9.42	8.80	9.58	10.34	11.15	11.79	11.67	12.03	12.14	17
18		11.32	11.64	9.35	8.81	9.60	10.37	11.17	11.80	11.66	12.04	12.15	18
19		11.34	11.62	9.28	8.83	9.60	10.41	11.18	11.81	11.66	12.05	12.15	19
20		11.36	11.61	9.21	8.84	9.60	10.44	11.20	11.78	11.66	12.06	12.16	20
21		11.38	11.59	9.16	8.87	9.60	10.48	11.22	11.76	11.67	12.06	12.16	21
22		11.39	11.54	9.09	8.89	9.63	10.51	11.23	11.76	11.68	12.06	12.17	22
23		11.41	11.46	9.02	8.89	9.64	10.53	11.25	11.77	11.70	12.06	12.17	23
24		11.42	11.36	8.94	8.90	9.67	10.56	11.26	11.78	11.71	12.07	12.17	24
25		11.43	11.26	8.94	8.94	9.69	10.58	11.27	11.80	11.71	12.07	12.18	25
26		11.44	11.18	8.84	8.99	9.71	10.61	11.29	11.82	11.73	12.08	12.18	26
27		11.47	11.12	8.80	9.02	9.74	10.63	11.30	11.83	11.75	12.08	12.19	27
28		11.49	11.06	8.76	9.05	9.77	10.66	11.31	11.83	11.76	12.08	12.19	28
29			11.02	8.74	9.08	9.80	10.68	11.33	11.85	11.78	12.09	12.20	29
30			10.98	8.71	9.11	9.84	10.71	11.35	11.85	11.80	12.09	12.20	30
31			10.94		9.15		10.74	11.37		11.81		12.21	31

-MONTHLY SUMMARY-

MEAN		11.48	9.65	8.83	9.51	10.31	11.10	11.69	11.76	12.00	12.15	MEAN
INST MAX		10.92 (31)	8.70 (30)	8.65 (1)	9.17 (1)	9.86 (1)	10.75 (1)	11.84 (1)	11.66 (19)	11.82 (1)	12.09 (1)	INST MAX
INST MIN		11.70 (15)	10.92 (1)	9.17 (31)	9.86 (30)	10.75 (31)	11.38 (31)	11.86 (30)	11.91 (4)	12.09 (30)	12.21 (31)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
SIMCOE COUNTY

OBSERVATION WELL 373

VILLAGE OF WASAGA BEACH

CONC. -

LOT -

WELL REC #1 5709214  
UTM CO-ORDS: 7-17 E578250 N4931025  
LAT & LONG: 44-32NORTH 80-01WEST

REC METHOD# A35 RECORDER  
REC COMM# OCT 31 1972  
MEASURE PT: 1.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 590 FEET ABOVE SEA LEVEL  
WELL TYPE# DRILLED  
WELL LOG: FINE SAND 22' SAND AND GRAVEL 30' GREY CLAY 87' FINE SAND 93' CLAY 96' FINE SAND 101' MEDIUM SAND 119' SAND WITH STREAKS OF CLAY 130' CLAY AND SILT 168' FINE SAND 170' MEDIUM SAND 180' SAND AND GRAVEL 194' GREY CLAY 200.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 170 FEET  
LENGTH OF SCREEN: 24 FEET  
DEPTH OF WELL: 194 FEET

PUMP RATE: 450 IGPM  
SPEC. CAP: 70.4 IGPM/FT  
AQUIFER: SAND  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.48				4.90	5.21	5.74	5.83	5.62	5.19	5.28	5.25	1
2	5.22				4.93	5.17	5.87	5.85	5.58	5.35	5.14	5.32	2
3	5.10				4.99	5.23	5.88	5.73	5.62	5.39	5.32	5.62	3
4	5.32				5.09	5.32	5.81	5.74	5.69	5.19	5.24	5.15	4
5	5.41				5.08	5.15	5.82	5.84	5.58	5.30	5.30	5.01	5
6	5.61				5.08	5.21	5.77	5.95	5.40	5.16	5.16	5.22	6
7	5.63				5.15	5.19	5.80	6.01	5.50	5.07	5.30	5.48	7
8	5.33				5.25	5.12	5.77	5.90	5.61	5.26	5.22	5.29	8
9	5.10				5.00	5.14	5.66	5.73	5.61	5.25	5.10	5.19	9
10	4.81				5.00	5.30	5.66	5.78	5.67	5.25	5.48	5.22	10
11	5.02	5.49			5.17	5.29	5.75	5.86	5.66	5.26	5.42	5.33	11
12	5.28	5.48			5.16	5.29	5.83	5.91	5.66	5.06	5.53	5.26	12
13	5.50	5.55		4.99	5.16	5.11	5.80	5.97	5.86	5.24	5.50	5.01	13
14	5.67	5.58		4.94	5.12	5.19	5.74	6.01	5.79	5.38	5.08	5.21	14
15	5.54			4.97	5.06	5.28	5.78	6.00	5.38	5.32	5.24	5.24	15
16	5.53			5.05	5.05	5.36	5.84	5.78	5.35	5.44	5.41	5.30	16
17	5.68			5.03	4.98	5.25	5.94	5.55	5.55	5.34	5.52	5.00	17
18	5.62			5.14	5.01	5.23	6.00	5.72	5.64	5.15	5.11	5.43	18
19	5.69			5.12	4.99	5.25	5.96	5.62	5.52	5.17	5.07	5.54	19
20	5.62			4.91	5.06	5.25	5.99	5.72	5.34	5.20	5.66	5.68	20
21	5.59			5.19	5.19	5.16	5.88	5.75	5.22	5.17	5.46	5.34	21
22	5.53			5.00	5.28	5.13	5.84	5.67	5.32	5.14	5.41	5.36	22
23	5.46			5.04	5.20	5.19	5.81	5.74	5.31	5.21	5.35	5.38	23
24	5.50			5.01	5.08	5.32	5.86	5.67	5.16	5.23	5.17	5.62	24
25	5.55			4.99	5.08	5.46	5.88	5.66	5.22	5.09	5.31	5.28	25
26				4.96	5.14	5.41	5.78	5.71	5.25	5.09	5.51	5.35	26
27				4.93	5.21	5.34	5.67	5.85	5.08	5.14	5.63	5.44	27
28				4.92	5.27	5.40	5.79	5.65	5.27	5.14	5.40	5.55	28
29				4.90	5.26	5.44	5.76	5.60	5.31	5.35	5.23	5.79	29
30				4.96	5.24	5.54	5.92	5.59	5.31	5.31	5.05	5.76	30
31					5.13		5.82	5.64		5.16		5.59	31

-MONTHLY SUMMARY-

MEAN				5.11	5.26	5.83	5.77	5.46	5.21	5.31	5.36	MEAN
INST MAX				4.85 (10)	4.98 (8)	5.52 (23)	5.35 (29)	4.92 (27)	4.86 (25)	4.63 (19)	4.66 (17)	INST MAX
INST MIN				5.36 (21)	5.64 (30)	6.10 (18)	6.13 (6)	6.04 (4)	5.56 (30)	5.74 (13)	5.91 (29)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
VICTORIA COUNTY

OBSERVATION WELL 375

TOWNSHIP OF MARIPOSA

CONC. 15 LOT 6

WELL REC #1 6403790  
UTM CO-ORD1 Z=17 E660200 N4917700  
LAT & LONG1 44=24NORTH 78=59WEST

REC METHOD1 REC TYPE RECIPDER

REC COMMCD1 NOV 9 1977

MEASURE DT1 1.05 FEET ABOVE GROUND SURFACE

GND ELEV1 927 FEET ABOVE SEA LEVEL

WELL TYPE1 DRILLED

WELL LOG1 PACKED BROWN CLAY AND STONES 81 LOOSE BROWN GRAVEL 181 LIMESTONE 38.

DIAMETER OF WELL1 8 INCHES

LENGTH OF CASING1 18 FEET

LENGTH OF SCREEN1 NONE

DEPTH OF WELL1 38 FEET

PUMP RATE1 40 IGPM

SPEC. CAP1 5.71 IGPM/FT

AQUIFER1 LIMESTONE

QUALITY1 FRESH

1978

DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	8.92		9.68	7.66	7.40	7.96	9.57	10.61	10.31	10.22	10.10	9.76	1
2	8.71		9.67	7.44	7.37	8.24	9.48	10.60	10.17	10.28	10.10	9.79	2
3	8.84		9.63	7.29	7.46	8.11	9.71	10.53	10.24	10.29	10.10	9.82	3
4	8.95		9.64	7.31	7.46	8.25	9.73	10.41	10.29	9.98	10.14	9.65	4
5	8.69		9.72	7.13	7.43	8.18	9.88	10.65	10.35	9.97	10.18	9.66	5
6	9.05		9.65	7.04	7.55	8.07	10.08	10.45	10.17	9.90	10.20	9.54	6
7	8.91		9.77	6.91	7.42	8.26	10.16	10.62	10.37	9.84	10.19	9.67	7
8	8.73		9.81	6.96	7.63	8.25	10.37		10.29	9.77	10.27	9.65	8
9	8.76		9.81	6.88	7.49	8.25	10.15		10.37	9.89	10.30	9.65	9
10	8.45		9.82	6.91	7.45	8.44	10.13		10.40	9.86	10.31	9.77	10
11	8.78		9.80	6.71	7.50	8.43	10.29	10.48	10.35	10.02	10.20	9.78	11
12	8.61		9.80	6.59	7.45	8.60	10.41	10.50	10.38	9.97	10.36	9.81	12
13	8.63		9.89	6.56	7.72	8.39	10.50	10.68	10.39	9.98	10.24	9.72	13
14	8.76		9.65	6.67	7.25	8.45	10.28	10.59	10.40	9.92	10.12	9.81	14
15	8.67		9.48	6.64	7.13	8.54	10.44	10.78	10.34	10.00	10.03	9.84	15
16			9.51	6.86	7.31	8.51	10.44	10.59	10.42	10.06	10.01	9.84	16
17		9.27	9.48	6.75	7.47	8.66	10.46	10.50	10.43	10.04	9.94	9.88	17
18		9.25	9.40	6.89	7.35	8.61	10.58	10.45	10.31	10.15	9.87	9.95	18
19		9.30	9.39	6.91	7.35	8.64	10.75	10.47	10.42	10.03	9.82	9.89	19
20		9.41	9.32	6.84	7.59	8.64	10.81	10.31	10.32	10.04	9.74	9.96	20
21		9.38	9.08	6.69	7.37	8.87	10.92	10.25	10.19	10.11	9.90	9.99	21
22		9.40	8.88	6.84	7.41	8.75	10.41	10.35	10.11	10.17	9.93	10.01	22
23		9.45	8.75	6.98	7.76	8.95	10.64	10.33	10.13	10.26	9.83	10.01	23
24		9.48	8.52	6.98	7.61	9.05	10.54	10.24	10.07	10.19	9.69	9.97	24
25		9.53	8.41	7.06	7.62	9.10	10.56	10.37	10.19	10.25	9.65	10.11	25
26		9.55	8.49	7.15	7.87	9.32	10.86	10.21	10.14	10.03	9.75	9.98	26
27		9.52	8.41	7.14	7.90	9.35	10.65	10.38	10.22	10.09	9.76	10.08	27
28		9.64	8.41	7.11	8.08	9.35	10.73	10.30	10.13	10.00	9.73	10.01	28
29			8.40	7.36	8.06	9.40	10.65	10.31	10.17	10.06	9.78	10.09	29
30			8.25	7.18	8.27	9.48	10.58	10.16	10.07	10.10	9.80		30
31			8.13		8.09		10.66	10.33		10.04			31

-MONTHLY SUMMARY-

MEAN		9.25	6.98	7.57	8.64	10.37		10.27	10.05	10.00		MEAN
INST		7.89	6.40	7.10	7.96	9.20		9.97	9.71	9.53		INST
MAX		(31)	(12)	(15)	(1)	(1)		(22)	(7)	(25)		MAX
INST		10.11	8.11	8.47	9.73	11.17		10.87	10.67	10.74		INST
MIN		(13)	(1)	(31)	(30)	(27)		(17)	(25)	(12)		MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 344

TOWNSHIP OF E. GWILLIMBURY

IF

WELL REC #1 6910968  
UTM CO-ORD1 Z=17 E621475 N4889650  
LOT 121 LAT & LONG1 44=09NORTH 79=29WEST

REC METHOD1 A35 RECORDER

REC COMMCD1 MAY 26 1971

MEASURE DT1 0.0 FEET ABOVE GROUND SURFACE

GND ELEV1 723 FEET ABOVE SEA LEVEL

WELL TYPE1 DUG

WELL LOG1 OVERRUNDRUN (SAND) 11.

DIAMETER OF WELL1 36 INCHES

LENGTH OF CASING1 11 FEET

LENGTH OF SCREEN1 NONE

DEPTH OF WELL1 11 FEET

PUMP RATE1 N.A.

SPEC. CAP1 N.A.

AQUIFER1 SAND

QUALITY1 FRESH

1978

DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						5.20	7.71		9.73	6.48	5.19	4.85	1
2						5.35	7.84		9.78	6.39	5.23	4.91	2
3						5.44	7.97	10.87	9.82	6.31	5.30	4.94	3
4						5.58	8.09	10.91	9.83	6.07	5.32	4.10	4
5						5.29	8.22	10.95	9.84	5.75	5.35	3.80	5
6						5.21	8.35	10.98	9.84	5.48	5.38	3.90	6
7						5.46	8.49	11.01	9.84	5.24	5.42	3.94	7
8						5.43	8.62	11.05	9.85	5.11	5.47	3.86	8
9						5.51	8.73	11.08	9.87	5.06	5.50	3.78	9
10						5.72	8.84	11.11	9.92	5.06	5.56	3.99	10
11						5.90	8.93	11.13	9.96	5.08	5.60	4.20	11
12						6.07	9.07	11.16	9.99	5.11	5.65	4.31	12
13						5.71	9.23	11.19	10.04	5.23	5.67	4.26	13
14						5.57	9.38		10.08	5.30	5.51	4.16	14
15						5.75		11.26	10.10	5.31	5.20	4.10	15
16						5.95		11.24	10.10	5.34	5.11	4.16	16
17						6.09		11.03	10.11	5.41	5.04	4.14	17
18						6.06		10.90	10.12	5.43	4.72	4.10	18
19						5.85		10.84	9.59	5.43	4.61	4.40	19
20						5.98		10.74	8.47	5.38	4.70	4.71	20
21					7.79	6.14		10.63	7.73	5.33	4.85	4.85	21
22					7.69	6.25		10.56	7.04	5.35	4.96	4.97	22
23					7.39	6.39		10.52	6.63	5.43	4.83	4.99	23
24					6.86	6.54		10.51	6.44	5.50	4.17	4.96	24
25					6.34	6.72		10.46	6.37	5.51	3.98	4.94	25
26					5.99	6.87		10.24	6.36	5.43	4.19	4.91	26
27					5.69	7.04		9.96	6.35	5.11	4.50	4.87	27
28					5.37	7.23		9.77	6.38	5.04	4.71	4.84	28
29					5.13	7.41		9.69	6.43	5.07	4.81	4.82	29
30					5.08	7.57		9.67	6.48	5.10	4.83	4.84	30
31					5.09			9.69		5.12		4.87	31

-MONTHLY SUMMARY-

MEAN					6.04			8.77	5.42	5.05	4.47	MEAN
INST					5.12			6.35	5.04	3.97	3.77	INST
MAX					(5)			(27)	(28)	(25)	(9)	MAX
INST					7.66			10.13	6.50	5.68	5.01	INST
MIN					(30)			(18)	(1)	(13)	(23)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 342

TOWNSHIP OF KING

DS 2

LOT 19

WELL REC #1 6902665  
UTM CO-ORDS 2=17 E616574 N4884788  
LAT & LONG: 44=07NORTH 79=33WEST

RFC METHOD: A35 RECORDED  
RFC COMMD: MAY 26 1971  
MEASURE PT: 3.5 FEET ABOVE GROUND SURFACE  
GRID ELEV: 722 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: CLAY 40% LIGHT SAND AND CLAY 20% HEAVY RED SAND 20% QUICKSAND AND GRAVEL 30%.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 299 FEET  
LENGTH OF SCREEN: 3 FEET  
DEPTH OF WELL: 305 FEET

PUMP RATE: 75 IGPM  
SPEC. CAP: 0.68 IGPM/FT  
AQUIFER: SAND  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		30.06		29.72	29.42	28.53	31.99	32.94	33.31	33.12	31.92	35.07	1
2		30.57		29.92	29.01	28.88	31.99	33.10	33.14	33.36	31.67	35.12	2
3		30.37		29.73	28.81	28.97	31.90	33.15	33.12	33.03	31.69	34.70	3
4			30.77	29.51	27.99	29.19	31.88	33.13	32.79	32.98	31.65	35.21	4
5				29.51	28.49	29.07	32.42	33.11	32.98	33.04	31.89	35.61	5
6				29.61	28.78	29.28	32.38	33.30	33.17	33.00	32.08	35.36	6
7				29.33	28.77	29.02	32.61	32.74	33.47	32.99	31.76	34.27	7
8				29.44	28.62	29.34	32.65	32.87	33.06	32.77	31.64	35.15	8
9				29.56	28.46	29.76	32.57	32.27	33.29	32.77	31.48	35.46	9
10				29.33	28.49	30.39	32.51	32.89	33.13	33.01	31.61	35.02	10
11				28.97	28.86	30.38	32.60	32.82	32.98	32.86	31.50	35.05	11
12				29.09	28.40	30.42	32.82	32.91	33.22	32.75	31.60	35.73	12
13		30.64		29.57	29.20	30.19	32.92	33.03	33.15	32.85	31.57	35.31	13
14			30.58	29.46	28.93	30.12	32.79	33.26	32.94	32.75	31.49	35.47	14
15				30.31	29.36	30.58	33.13	34.32	32.72	32.63	31.10	35.84	15
16		30.83	30.34	29.76	30.13	30.63	33.90	33.50	33.15	32.85	31.82	36.36	16
17			30.33	29.43	30.13	30.56	33.35	33.36	33.27	32.74	32.72	33.64	17
18			30.33	29.28	30.55	30.41	33.53	33.44	33.11	32.38	33.28	33.46	18
19			30.12	29.24	30.66	30.21	33.92	33.36	33.18	32.29	33.50	34.07	19
20			29.94	29.16	29.93	30.40	33.73	33.36	33.36	32.32	33.80	34.32	20
21			30.09	30.32	29.76	30.64	33.93	33.38	33.55	32.38	33.88	35.22	21
22			30.97	29.81	29.71	30.54	33.68	33.25	32.86	32.41	34.46	35.91	22
23			30.76	29.94	29.38	30.67	33.70	32.93	32.91	33.21	34.72	35.37	23
24			30.87	29.81	29.36	30.84	33.60	32.75	32.86	32.57	35.13	35.34	24
25			30.31	29.47	28.31	31.25	33.45	33.05	33.14	32.37	34.71	34.31	25
26			30.17	29.39	26.69	31.55	33.52	33.05	34.07	32.21	34.57	33.99	26
27			29.66	29.25	28.28	31.85	33.35	32.94	34.46	32.28	34.68	34.66	27
28	30.15		30.25	29.20	28.73	32.14	33.40	32.55	33.70	32.37	34.67	34.93	28
29	29.66		30.43	29.25	28.88	32.05	32.90	32.86	33.50	32.42	34.77	35.57	29
30	29.77		30.42	29.21	29.15	32.15	33.14	33.11	33.30	32.15	34.67	35.38	30
31	30.18		29.96		29.09		32.94	33.22		31.97		35.13	31

MONTHLY SUMMARY

MEAN				29.49	29.05	30.33	33.01	33.13	33.23	32.68	32.87	35.03	MEAN
INST				27.49	24.98	27.00	30.45	31.08	31.24	30.58	29.61	31.77	INST
MAX				(11)	(26)	(1)	(4)	(28)	(15)	(31)	(18)	(18)	MAX
INST				30.75	30.83	32.68	34.45	34.57	34.54	33.82	36.41	37.32	INST
MIN				(22)	(19)	(30)	(21)	(16)	(28)	(2)	(24)	(16)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 343

TOWNSHIP OF KING

CONC. 3

LOT 9

WELL REC #1 6910967  
UTM CO-ORDS 2=17 E615075 N4880425  
LAT & LONG: 44=04NORTH 79=34WEST

RFC METHOD: A35 RECORDED  
RFC COMMD: MAY 26 1971  
MEASURE PT: 2.5 FEET ABOVE GROUND SURFACE  
GRID ELEV: 720 FEET ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: PEAT (MUCK) 11.5.

DIAMETER OF WELL: 36 INCHES  
LENGTH OF CASING: 11.5 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 11.5 FEET

PUMP RATE: N/A.  
SPEC. CAP: N/A.  
AQUIFER: PEAT  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					3.40		4.70	5.53	5.29	4.82	4.82	4.73	1
2							4.71	5.56	5.31	4.82	4.83	4.75	2
3						4.08	4.74	5.56	5.33	4.83	4.84	4.76	3
4						4.13	4.77	5.55	5.37	4.81	4.86	4.74	4
5				3.01	4.16	4.81	5.56	5.40	4.77	4.87	4.87	4.71	5
6				3.04	4.20	4.84	5.58	5.45	4.71	4.88	4.70	4.70	6
7				2.60	4.22	4.87	5.61	5.49	4.65	4.91	4.69	4.69	7
8				2.65	4.24	4.90	5.64	5.54	4.61	4.93	4.68	4.68	8
9				2.84	4.27	4.93	5.66	5.58	4.58	4.94	4.67	4.67	9
10				2.95	4.31	4.97	5.62	5.63	4.56	4.95	4.67	4.67	10
11				2.78	4.35	5.01	5.59	5.68	4.55	4.96	4.68	4.68	11
12				2.58	4.38	5.05	5.58	5.69	4.55	4.97	4.69	4.69	12
13				2.69	4.39	5.08	5.58	5.66	4.55	4.99	4.70	4.70	13
14				2.83	4.39	5.11	5.61	5.66	4.56	4.99	4.71	4.71	14
15				2.94	4.39	5.15	5.64	5.65	4.58	4.97	4.72	4.72	15
16				3.01	4.39	5.15	5.62	5.63	4.61	4.96	4.74	4.74	16
17				3.06	4.39	5.16	5.56	5.62	4.63	4.95	4.76	4.76	17
18				3.11	4.39	5.19	5.54	5.61	4.65	4.92	4.78	4.78	18
19				3.14	4.39	5.23	5.54	5.48	4.66	4.89	4.80	4.80	19
20				3.09	4.39	5.25	5.53	5.31	4.69	4.87	4.82	4.82	20
21				2.72	4.39	5.27	5.53	5.16	4.70	4.85	4.83	4.83	21
22				2.72	4.40	5.28	5.54	5.02	4.71	4.85	4.84	4.84	22
23				2.85	4.42	5.28	5.56	4.91	4.72	4.84	4.86	4.86	23
24				2.95	4.44	5.31	5.54	4.84	4.75	4.80	4.88	4.88	24
25				3.01	4.47	5.34	5.44	4.80	4.76	4.76	4.90	4.90	25
26				3.08	4.50	5.37	5.36	4.78	4.77	4.73	4.92	4.92	26
27				3.14	4.54	5.39	5.32	4.78	4.77	4.72	4.95	4.95	27
28				3.22	4.57	5.41	5.30	4.80	4.78	4.72	4.97	4.97	28
29				3.28	4.62	5.44	5.29	4.81	4.79	4.72	4.98	4.98	29
30				3.34	4.66	5.46	5.28	4.81	4.81	4.72	5.00	5.00	30
31						5.49	5.28		4.82		4.99	4.99	31

MONTHLY SUMMARY

MEAN					5.11	5.12	5.52	5.30	4.70	4.87	4.79	MEAN
INST					4.68	4.68	5.28	4.78	4.55	4.71	4.67	INST
MAX					(1)	(1)	(30)	(26)	(12)	(27)	(10)	MAX
INST					5.51	5.51	5.67	5.70	4.83	5.00	5.00	INST
MIN					(30)	(31)	(9)	(12)	(3)	(14)	(30)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 106

TOWNSHIP OF MARKHAM

CONC. 3 LOT 6

WELL REC #1 6911674  
UTM CO-ORDS Z=17 E632292 N4854305  
LAT & LONG: 43=50NORTH 79=21WEST

REC METHOD: 1F1 TYPE RECORDER

REC COMM: SEP 15 1963

MEASURE PT: 1.0 FEET ABOVE GROUND SURFACE

GND ELEV: 605 FEET ABOVE SEA LEVEL

WELL TYPE: DRILLED

WELL LOG: SANDY CLAY, GRAVEL 40% DIRTY SILT 50% DIRTY SAND AND GRAVEL 60% SAND AND GRAVEL 70% SAND, GRAVEL AND BOULDERS  
85% FINE SAND 99% HARD PACKED SAND, GRAVEL 104.

DIAMETER OF WELL: 8 INCHES  
LENGTH OF CASING: 85.5 FEET  
LENGTH OF SCREEN: 17.5 FEET  
DEPTH OF WELL: 104 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: 1 SAND AND GRAVEL  
QUALITY: 1 FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	50.67				47.59	46.89	46.76	46.64	46.42	45.96	45.75	45.45	1
2	50.62				47.59	46.86	46.73	46.65	46.39	46.00	45.68	45.52	2
3	50.66				47.59	46.87	46.73	46.62		45.93	45.68	45.40	3
4	50.68				47.57	46.85	46.74	46.66		45.90	45.61	45.27	4
5	50.62			48.46	47.52	46.84	46.75	46.66		45.92	45.60	45.36	5
6	50.59			48.43	47.58	46.88	46.72	46.63		45.93	45.63	45.30	6
7	50.54			48.32	47.61	46.82	46.69	46.6	46.33	45.88	45.65	45.50	7
8	50.43			48.36	47.46	46.79	46.66	46.57		45.94	45.63	45.36	8
9				48.33	47.39	46.83	46.68	46.53	46.36	45.95	45.60	45.30	9
10				48.24	47.47	46.90	46.68	46.56	46.34	45.89	45.69	45.40	10
11				48.13	47.50	46.84	46.75	46.57	46.27	45.82	45.72	45.45	11
12				48.16	47.42	46.79	46.75	46.56	46.33	45.86	45.76	45.35	12
13				48.15	47.36	46.81	46.68	46.56	46.40	45.85	45.64	45.21	13
14				48.20	47.32	46.87	46.68	46.57	46.30	45.85	45.59	45.31	14
15				48.18	47.30	46.88	46.67	46.55	46.25	45.82	45.71	45.24	15
16				48.14	47.29	46.85	46.67	46.48	46.26	45.87	45.74	45.28	16
17				48.10	47.23	46.77	46.71	46.49	46.27	45.93	45.55	45.26	17
18				48.02	47.21	46.75	46.74	46.55	46.28	45.82	45.57	45.32	18
19				47.92	47.19	46.77	46.75	46.50	46.22	45.72	45.69	45.30	19
20				47.86	47.12	46.77	46.73	46.59	46.17	45.77	45.74	45.13	20
21				47.88	47.12	46.74	46.71	46.62	46.13	45.78	45.68	45.13	21
22				47.97	47.13	46.76	46.69	46.56	46.20	45.77	45.61	45.30	22
23				47.90	47.04	46.77	46.73	46.48	46.18	45.80	45.43	45.34	23
24				47.83	46.99	46.77	46.73	46.48	46.06	45.80	45.42	45.20	24
25				47.81	46.99	46.74	46.67	46.47	46.06	45.80	45.54	45.11	25
26				47.78	46.99	46.69	46.61	46.47	46.06	45.68	45.60	45.24	26
27				47.74	46.97	46.70	46.59	46.46	46.06	45.74	45.47	45.31	27
28				47.69	46.94	46.75	46.68	46.39	46.04	45.82	45.43	45.40	28
29				47.64	46.90	46.74	46.61	46.37	46.06	45.89	45.48	45.38	29
30				47.63	46.86	46.76	46.68	46.43	45.98	45.84	45.43	45.27	30
31					46.85		46.65	46.44		45.74		45.19	31

-MONTHLY SUMMARY-

MEAN				47.26	46.80	46.70	46.54			45.84	45.61	45.32	MEAN
INST				46.85	46.68	46.56	46.35			45.64	45.34	44.97	INST
MAX				(31)	(26)	(29)	(29)			(25)	(23)	(21)	MAX
INST				47.62	46.93	46.77	46.68			46.01	45.77	45.59	INST
MIN				(7)	(10)	(1)	(5)			(2)	(12)	(3)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 305

TOWNSHIP OF MARKHAM

CONC. 9 LOT 26

WELL REC #1 6910969  
UTM CO-ORDS Z=17 E642160 N4866300  
LAT & LONG: 43=56NORTH 79=14WEST

REC METHOD: 1F1 TYPE RECORDER

REC COMM: JUNE 1970

MEASURE PT: 0.5 FEET ABOVE GROUND SURFACE

GND ELEV: 778 FEET ABOVE SEA LEVEL

WELL TYPE: DUG

WELL LOG: OVERBURDEN TILL 20.

DIAMETER OF WELL: 48 INCHES  
LENGTH OF CASING: 20 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 20 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: 1 TILL  
QUALITY: 1 FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.78				2.67	3.45	4.65	5.26	5.28	4.42	4.54	4.00	1
2	2.81				2.70	3.54	4.69	5.28	5.30	3.92	4.60	4.01	2
3	2.84				2.72	3.64	4.73	5.27	5.32	3.62	4.70	4.04	3
4	2.88				2.75	3.73	4.75	5.26		3.58	4.74	3.91	4
5				4.06	2.74	3.77	4.76	5.26		3.35	4.60	3.81	5
6				4.15	2.76	3.86	4.78	5.27		3.41	4.85	3.83	6
7				4.19	2.79	3.90	4.81	5.29	5.40	3.56	4.88	3.79	7
8				4.19	2.86	3.92	4.84	5.31	5.41	3.75	4.89	3.75	8
9				4.17	2.81	3.92	4.87	5.32	5.41	3.88	4.88	3.73	9
10	2.40			4.10	2.23	3.94	4.90	5.25	5.43	3.97	4.90	3.76	10
11	2.69			4.00	2.04	4.03	4.92	5.24	5.44	4.13	4.92	3.80	11
12	2.81			3.89	1.93	4.07	4.94	5.24	5.42	4.25	4.95	3.82	12
13	2.86			3.75	2.08	3.96	4.97	5.28	5.37	4.37	4.98	3.83	13
14	2.88			3.27	2.20	3.96	4.99	5.29	5.36	4.48	4.94	3.84	14
15	2.89			3.02	2.29	3.71	4.02	5.01	5.31	4.48	4.89	3.85	15
16	2.89			2.96	2.33	3.14	4.14	5.02	5.32	4.52	4.87	3.86	16
17	2.90			2.93	2.36	3.13	4.19	5.04	5.33	4.53	4.83	3.84	17
18	2.90			2.91	2.38	2.44	4.24	5.06	5.35	4.53	4.64	3.83	18
19	2.90			2.93	2.31	2.54	4.26	5.09	5.36	4.65	4.57	3.88	19
20	2.90			2.77	2.05	2.58	4.24	5.11	5.36	4.18	4.46	3.95	20
21	2.90			2.26	1.84	2.39	4.26	5.14	5.37	4.07	4.58	4.42	21
22	2.90				2.09	2.52	4.32	5.15	5.37	4.10	4.55	4.47	22
23				2.11	2.24	2.65	4.38	5.15	5.38	4.25	4.61	4.42	23
24					2.36	2.75	4.42	5.15	5.37	4.38	4.68	4.02	24
25					2.44	2.85	4.46	5.16	5.29	4.51	4.72	3.84	25
26					2.48	2.94	4.50	5.17	5.26	4.67	4.54	3.86	26
27					2.53	3.01	4.53	5.18	5.25	4.81	4.29	4.11	27
28					2.57	3.08	4.53	5.20	5.26	4.87	4.30	3.97	28
29					2.60	3.19	4.57	5.20	5.26	4.90	4.39	4.12	29
30					2.64	3.28	4.61	5.22	5.27	4.94	4.50	4.17	30
31						3.35		5.24	5.28		4.53	4.04	31

-MONTHLY SUMMARY-

MEAN				2.69	4.11	5.00	5.30			4.25	4.56	3.94	MEAN
INST				1.31	3.40	4.62	5.24			3.32	3.83	3.72	INST
MAX				(14)	(1)	(1)	(12)			(5)	(25)	(9)	MAX
INST				3.40	4.62	5.25	5.39			4.89	4.98	4.17	INST
MIN				(31)	(30)	(31)	(23)			(1)	(13)	(30)	MIN

ENVIRONMENTAL ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK  
TOWNSHIP OF MARKHAM  
CONC. 5 LOT 14  
WELL REC #1 691171R  
UTM CO-ORDS: Z-17 E635300 N4858600  
LAT & LONG: 43-52NORTH 79-19WEST  
REC METHOD: 1FT TYPE RECORDER  
REC COMMENTS: SEP 30 1973  
MEASURE PTS: 2.6 FEET ABOVE GROUND SURFACE  
GND. ELEV: 580 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN TOPSOIL 11 BROWN SAND 151 BLUE SANDY CLAY 471 BLUECLAY SAND AND GRAVEL 671 GREY SAND AND GRAVEL 73.

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			18.47		18.28		18.36	18.29	18.20	17.82	17.80	18.01	1
2			18.49				18.36	18.24	18.20	17.82		18.16	2
3		17.89	18.40			18.31	18.36	18.07	18.20	17.84		18.20	3
4	17.95	17.90	18.44			18.25	18.31	18.10		17.73	17.76	18.00	4
5	17.99	17.88	18.53	16.79		18.22	18.30	18.14		17.65	17.79	18.04	5
6	18.00	17.91	18.53	16.60		18.22	18.35	18.19		17.63	17.80	18.16	6
7	18.01	17.96	18.59	15.80		18.11	18.39	18.20	18.25	17.73	17.80	18.15	7
8	17.77	18.03	18.53	16.39		18.01	18.44	18.19	18.18	17.83	17.78	18.05	8
9	17.43	18.01	18.44	16.96		17.93	18.46	18.20	18.20	17.90	17.79	18.03	9
10	17.46	18.00	18.41	17.06		17.97	18.44	18.16	18.23	17.89	17.84	18.17	10
11	17.50	18.03	18.40	16.84		17.92	18.51	18.10	18.11	17.85	17.83	18.23	11
12	17.56	18.06	18.41	16.70		17.92	18.55	18.17	18.02	17.86	17.87	18.20	12
13		18.10	18.38	16.97		17.82	18.53	18.28	18.09	17.95	17.80	18.14	13
14			18.03	17.19		17.84	18.64	18.34	18.01	17.90	17.70	18.23	14
15			17.82	17.46		17.85	18.59	18.36	17.84	17.88	17.75	18.23	15
16	17.93		17.71	17.58		17.90	18.67	18.34	17.95	17.94	17.76	18.27	16
17	17.96		17.66	17.67		17.91	18.67	18.41	18.06	17.95	17.61	18.27	17
18	17.99		17.67	17.68		17.98	18.67	18.41	17.99	17.90	17.55	18.31	18
19	18.05		17.71	17.63		18.02	18.69	18.36	17.65	17.92	17.63	18.38	19
20	18.03		17.68	17.42		18.04	18.66	18.23	17.66	17.96	17.69	18.34	20
21	18.07			17.10		18.09	18.60	18.19	17.71	17.92	17.67	18.35	21
22	18.11			17.43		18.16	18.47	18.18	17.84	17.90	17.67	18.49	22
23				17.67		18.21	18.30	18.22	17.90	17.89	17.51	18.53	23
24				17.79		18.22	18.36	18.01	17.89	17.82	17.38	18.49	24
25				17.93		18.22	18.34	17.90	17.95	17.74	17.51	18.46	25
26		18.46		17.98		18.14	18.32	17.96	17.98	17.67	17.61	18.55	26
27		18.48		18.06		18.17	18.25	18.01	17.94	17.67	17.55	18.60	27
28		18.45		18.10		18.30	18.30	18.01	18.00	17.77	17.59	18.65	28
29				18.13		18.31	18.25	18.04	18.05	17.86	17.63	18.65	29
30				18.22		18.36	18.28	18.12	17.97	17.79	17.71	18.61	30
31							18.27	18.15		17.78		18.46	31

-MONTHLY SUMMARY-

MEAN							18.44	18.18		17.83		18.30	MEAN
INST							18.20	17.88		17.62		17.93	INST
MAX							(27)	(25)		(6)		(31)	MAX
INST							18.89	18.45		18.02		18.68	INST
MIN							(17)	(17)		(20)		(29)	MIN

ENVIRONMENTAL ONTARIO  
TORONTO  
METROPOLITAN TORONTO  
Borough of North York  
CONC. - LOT -  
WELL REC #1 6905098  
UTM CO-ORDS: Z-17 E626320 N4845890  
LAT & LONG: 43-46NORTH 79-26WEST  
REC METHOD: A35 RECORDER  
REC COMMENTS: APR 7 1961  
MEASURE PTS: 1.0 FOOT ABOVE GROUND SURFACE  
GND. ELEV: 477 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: SOIL AND SAND 34 SAND AND GRAVEL 131 SAND, GRAVEL AND SOME CLAY 401 PACKED SAND, CLAY 561 SAND, GRAVEL AND CLAY 591 CONGLOMERATE, SOME CLAY 721 CEMENTED GRAVEL 751 CEMENTED GRAVEL, CLAY 831 SAND, GRAVEL AND CLAY 1271 SAND, GRAVEL AND SOME CLAY 1321 SAND AND GRAVEL 150.

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.42	3.77	3.75	2.90	3.04	3.20	3.49	3.57	3.78	3.53	3.87	3.55	1
2	3.23	3.82	3.83	3.59	3.12	3.17	3.41	3.61	3.73	3.70	3.72	3.62	2
3	3.44	4.02	3.50	3.67	3.18	3.27	3.37	3.54	3.53	3.54	3.78	3.72	3
4	3.84	4.11	3.54	3.29	3.18	3.22	3.46	3.72	3.66	3.39	3.63	3.07	4
5	3.65	3.85	3.75	3.38	3.03	3.14	3.56	3.80	3.66	3.48	3.57	3.11	5
6	3.68	3.78	3.84	3.41	3.29	3.31	3.53	3.77	3.56	3.20	3.59	3.47	6
7	3.63	3.70	4.07	3.18	3.49	3.16	3.47	3.72	3.58	3.36	3.71	3.84	7
8	3.13	3.87	4.01	3.40	3.19	3.02	3.35	3.60	3.63	3.69	3.69	3.59	8
9	2.81	3.80	3.72	3.46	2.83	3.19	3.40	3.53	3.73	3.74	3.54	3.46	9
10	3.10	3.59	3.49	3.17	3.09	3.43	3.40	3.62	3.73	3.71	3.76	3.53	10
11	3.54	3.46	3.51	2.76	3.35	3.33	3.58	3.65	3.46	3.58	3.79	3.88	11
12	3.65	3.46	3.61	2.88	3.21	3.21	3.63	3.63	3.57	3.34	3.99	3.80	12
13	3.62	3.51	3.83	2.92	2.96	3.32	3.47	3.65	3.84	3.58	3.79	3.48	13
14	3.44	3.54	3.25	3.24	2.92	3.52	3.44	3.73	3.66	3.62	3.50	3.51	14
15	3.34	3.73	3.54	3.34	3.04	3.60	3.37	3.66	3.46	3.58	3.83	3.40	15
16	3.61	3.76	3.73	3.43	3.14	3.59	3.36	3.43	3.42	3.76	3.96	3.50	16
17	3.81	3.72	3.67	3.41	3.09	3.40	3.46	3.48	3.58	3.98	3.64	3.38	17
18	3.68	3.66	3.74	3.30	3.19	3.31	3.57	3.64	3.68	3.78	3.46	3.63	18
19	3.83	3.63	3.47	2.94	3.23	3.42	3.62	3.53	3.73	3.51	3.82	3.68	19
20	3.65	3.65	3.84	2.70	3.08	3.31	3.57	3.80	3.63	3.55	4.11	3.53	20
21	3.56	3.61	3.32	2.84	3.20	3.20	3.53	3.89	3.54	3.55	4.10	2.87	21
22	3.77	3.57	3.44	3.24	3.36	3.40	3.50	3.81	3.87	3.54	3.97	3.33	22
23	3.82	3.47	3.54	3.30	3.24	3.48	3.45	3.74	4.01	3.68	3.55	3.51	23
24	3.55	3.36	3.92	3.22	3.14	3.50	3.68	3.60	3.75	3.73	3.28	3.65	24
25	3.16	3.40	3.96	3.30	3.22	3.40	3.55	3.65	3.73	3.37	3.57	3.15	25
26	2.32	3.66	3.61	3.30	3.32	3.23	3.33	3.67	3.78	3.31	3.78	3.41	26
27	2.78	3.81	3.35	3.22	3.34	3.25	3.23	3.69	3.52	3.53	3.63	3.66	27
28	3.26	3.75	3.31	3.14	3.26	3.39	3.47	3.38	3.46	3.72	3.40	3.97	28
29	3.51		3.48	3.06	3.17	3.39	3.36	3.42	3.77	4.03	3.62	4.21	29
30	3.67		3.65	3.11	3.08	3.46	3.55	3.66	3.57	4.05	3.39	4.10	30
31	3.64		3.43		3.06		3.52	3.72		3.85		3.93	31

-MONTHLY SUMMARY-

MEAN	3.45	3.68	3.64	3.20	3.16	3.34	3.47	3.64	3.66	3.61	3.70	3.57	MEAN
INST	2.12	2.79	3.05	2.65	2.78	2.97	3.21	3.22	3.37	3.14	3.18	2.73	INST
MAX	(26)	(1)	(14)	(20)	(9)	(8)	(27)	(28)	(12)	(6)	(24)	(21)	MAX
INST	3.87	4.16	4.14	3.78	3.53	3.64	3.72	3.92	4.05	4.12	4.17	4.24	INST
MIN	(17)	(4)	(7)	(2)	(7)	(16)	(24)	(21)	(23)	(30)	(20)	(29)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 340  
TOWNSHIP OF WHITCHURCH

CONC. 6  
LOT 27

WELL REC #1 6910965  
UTM CO-ORD: Z-17 E632050 N4878700  
LAT & LONG: 44-04NORTH 79-21WEST

REC METHOD: 1FT TYPE RECORDER  
REC COMMENT: MAY 26 1971  
MEASURE DT: 2.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 975 FEET ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: TOPSOIL 45 SAND 29.

DIAMETER OF WELL: 48 INCHES  
LENGTH OF CASING: 29 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 29 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SAND  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	16.01		19.05		14.26	16.20	18.71	20.46	20.84	20.09		19.57	1
2	16.07		19.08		14.52	16.40	18.77	20.51	20.83	20.09		19.56	2
3	16.25	17.66	19.10		14.76	16.56	18.83	20.54	20.83	20.08		19.57	3
4	16.46	17.73	19.12		14.94	16.71	18.90	20.58		20.04	19.77	19.50	4
5	16.58	17.79	19.16	11.07	15.07	16.82	18.97	20.63		19.99	19.76	19.43	5
6	16.69	17.84	19.21	9.85	15.29	16.98	19.06	20.67		19.92	19.76	19.41	6
7	16.80	17.88	19.28	6.74	15.46	17.10	19.11	20.70	20.80	19.86	19.78	19.42	7
8	16.73	17.93	19.32	6.51	15.45	17.18	19.16	20.73	20.81	19.84	19.79	19.38	8
9	16.21	17.97	19.32	8.78	15.36	17.32	19.22	20.75	20.83	19.83	19.78	19.33	9
10	15.92	18.01	19.31	10.07	15.36	17.46	19.29	20.78	20.87	19.81	19.81	19.30	10
11	15.85	18.05	19.31	9.55	15.38	17.57	19.37	20.82	20.87	19.78	19.85	19.32	11
12	15.80	18.11	19.34		15.31	17.64	19.45	20.84	20.87	19.74	19.89	19.31	12
13		18.18	19.39		15.16	17.69	19.50	20.87	20.88	19.72	19.90	19.27	13
14		18.26	19.28	9.29	14.85	17.73	19.54	20.91	20.88	19.72	19.89	19.27	14
15		18.35	19.01	10.26	13.42	17.77	19.59	20.94	20.85	19.71	19.90	19.26	15
16		18.41	18.93	11.08	12.62	17.78	19.65	20.95	20.83		19.93	19.28	16
17		18.46	18.85	11.74	12.61	17.78	19.72	20.95	20.82		19.92	19.28	17
18		18.51	18.78	12.21	12.75	17.77	19.79	20.95	20.82		19.87		18
19		18.55	18.70	12.52	12.97	17.84	19.87	20.95	20.78		19.88		19
20		18.59	18.71	12.62	13.21	17.90	19.92	20.96	20.69		19.90		20
21		18.63	18.04	12.02	13.47	17.95	19.97	20.97	20.57		19.89		21
22		18.67	14.90	11.47	13.74	18.02	20.02	20.96	20.48		19.87		22
23		18.71		11.59	13.99	18.09	20.05	20.96	20.40		19.83		23
24		18.75		11.97	14.24	18.16	20.10	20.97	20.31		19.75		24
25		18.79		12.42	14.55	18.23	20.14	20.95	20.23		19.71		25
26		18.88		12.83	14.86	18.29	20.17	20.94	20.19		19.68		26
27		18.96		13.21	15.13	18.36	20.20	20.93	20.14		19.66		27
28			19.00	13.50	15.36	18.45	20.24	20.91	20.12		19.61		28
29				13.76	15.57	18.54	20.30	20.88	20.11		19.59		29
30				14.02	15.77	18.62	20.35	20.86	20.10		19.57		30
31					15.97		20.41	20.85					31
-MONTHLY SUMMARY-													
MEAN					14.56	17.63	19.62	20.83					MEAN
INST					12.56	16.08	18.66	20.44					INST
MAX					(16)	( 1)	( 1)	( 1)					MAX
INST					16.08	18.66	20.44	20.97					INST
MIN					(31)	(30)	(31)	(24)					MIN

ENVIRONMENT ONTARIO

1978

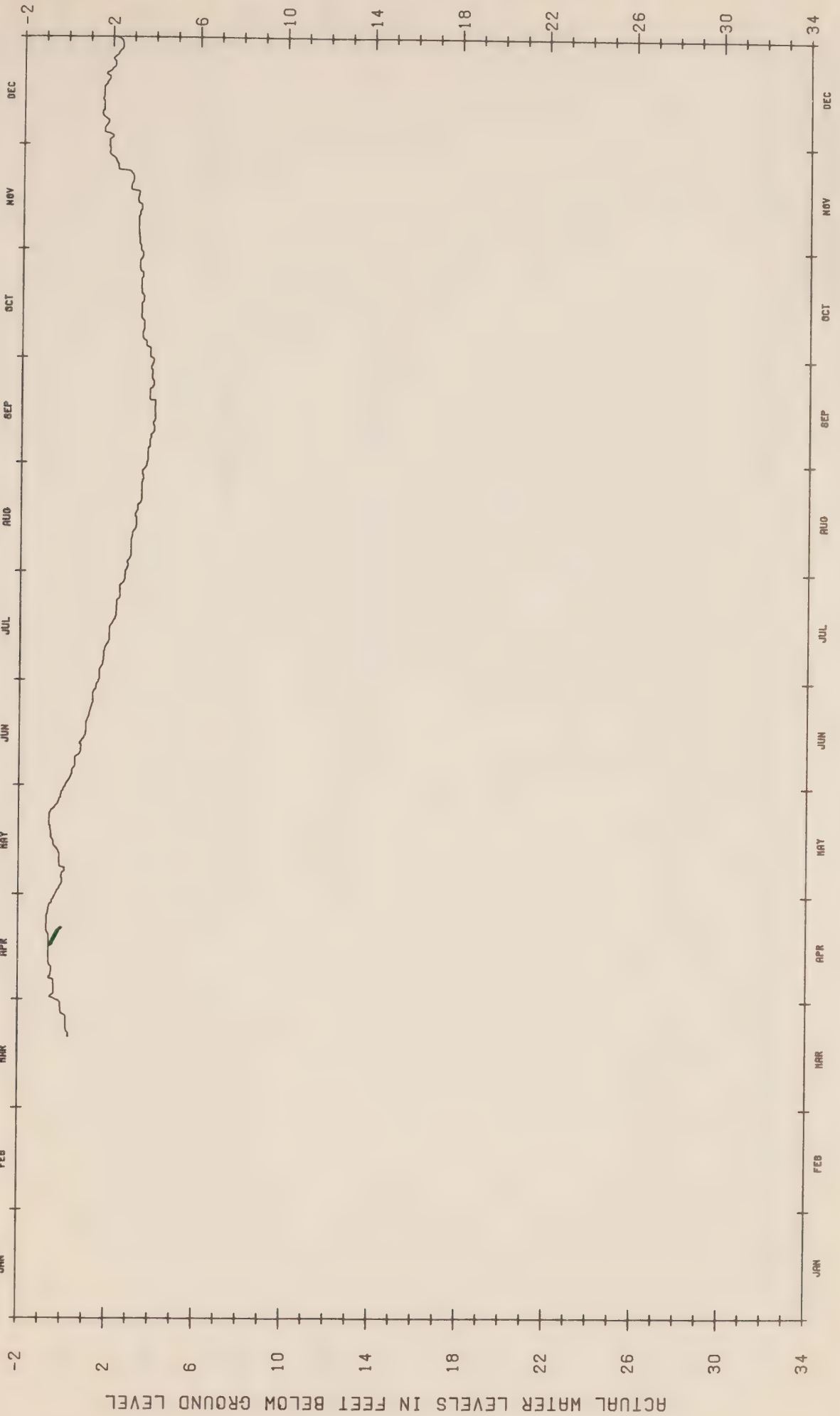
OBSERVATION WELL 405  
TOWNSHIP OF PICKERING



OBSERVATION WELL 406  
TOWNSHIP OF PICKERING

1978

ENVIRONMENT ONTARIO

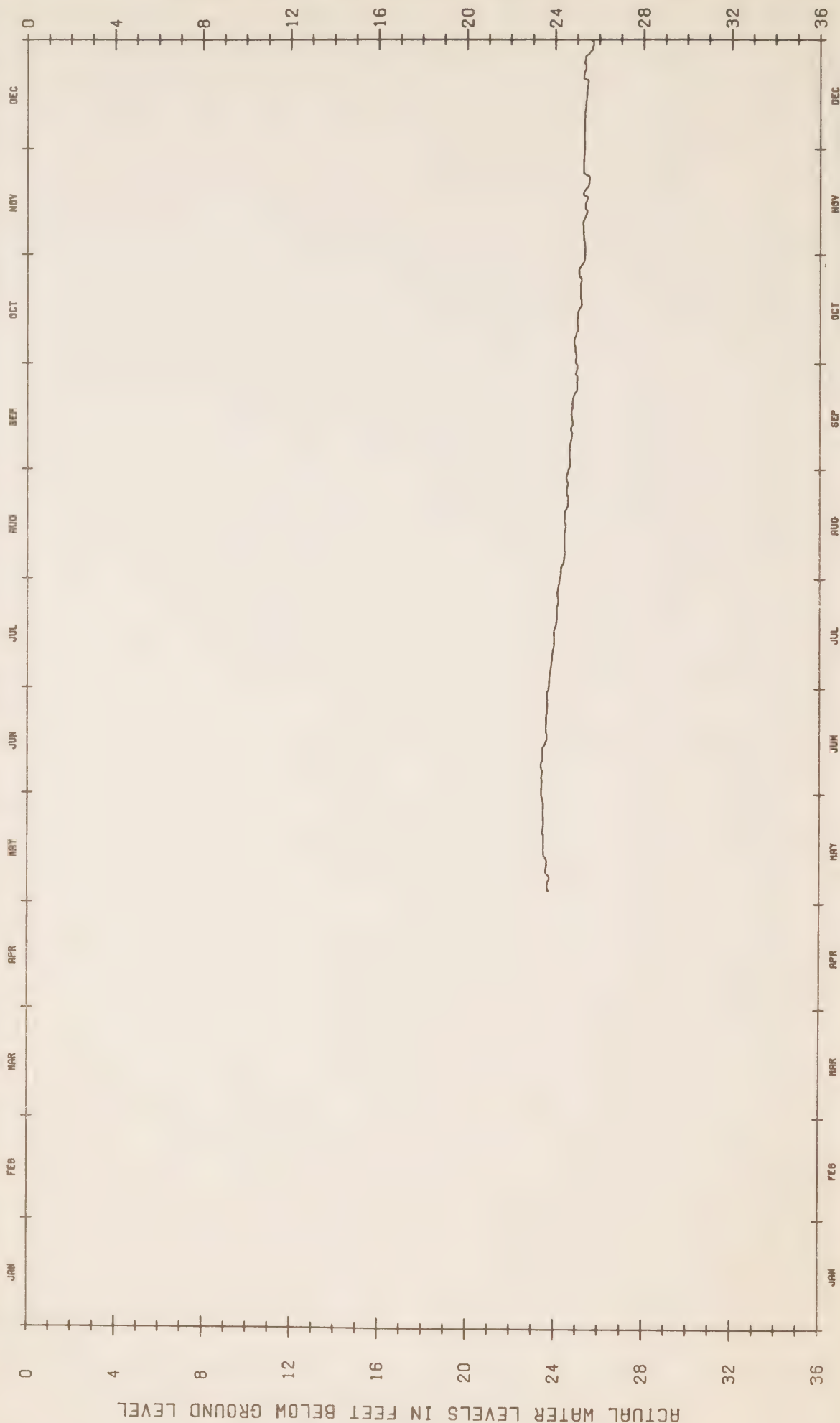


ACTUAL WATER LEVELS IN FEET BELOW GROUND LEVEL

OBSERVATION WELL 512  
TOWNSHIP OF PICKERING

1978

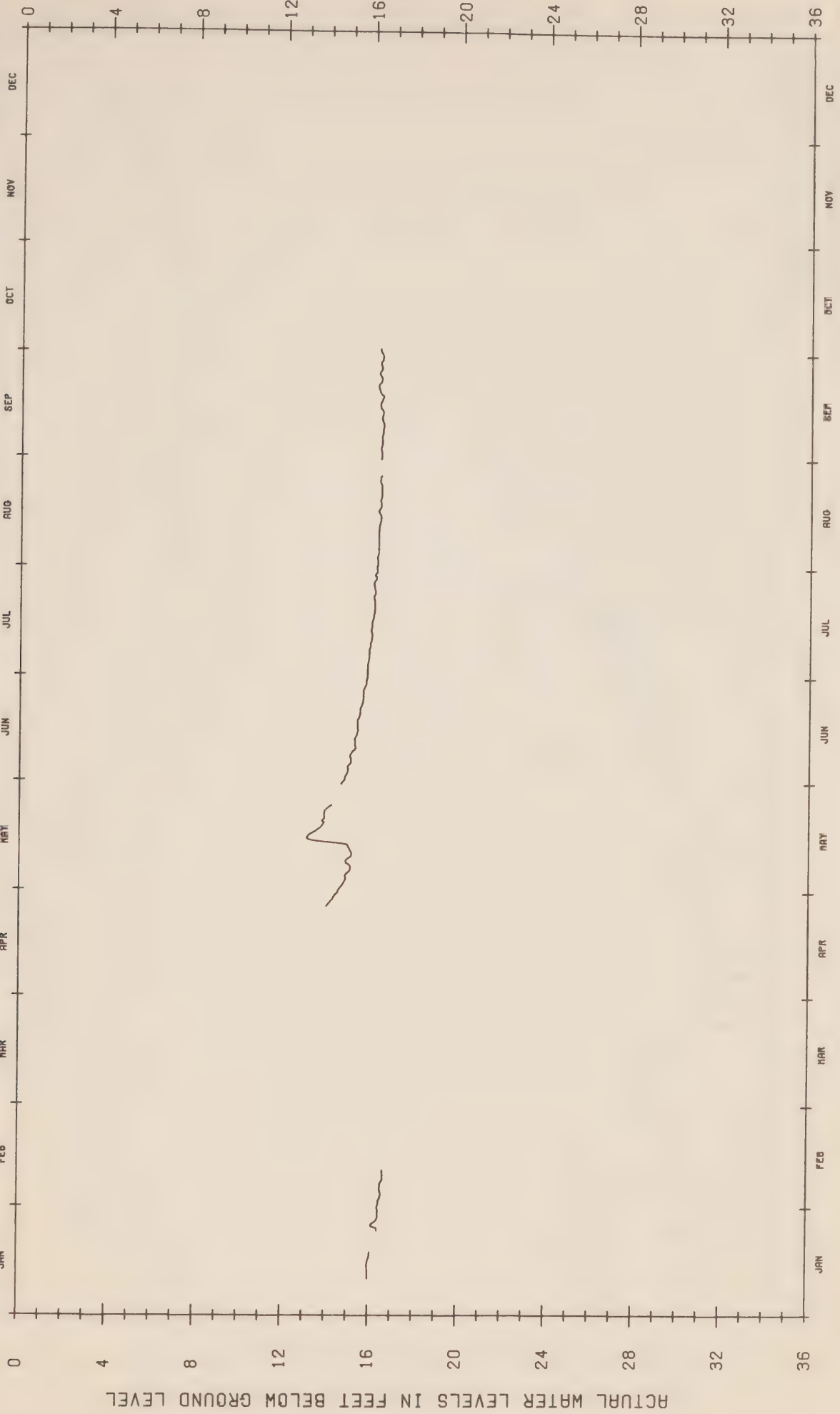
ENVIRONMENT ONTARIO



OBSERVATION WELL 301  
TOWNSHIP OF UXBRIDGE

1978

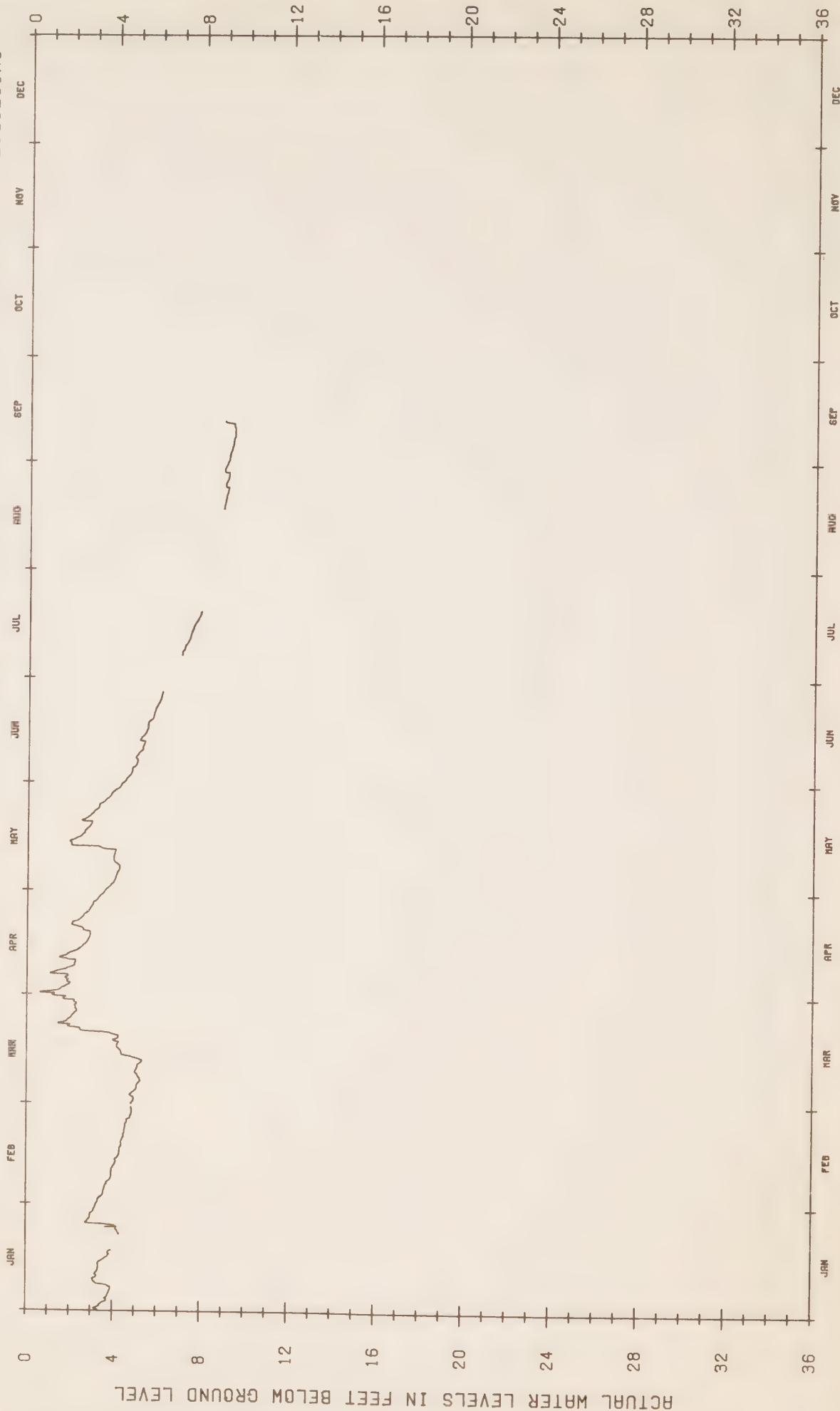
ENVIRONMENT ONTARIO



OBSERVATION WELL 414  
TOWNSHIP OF ESQUESING

1978

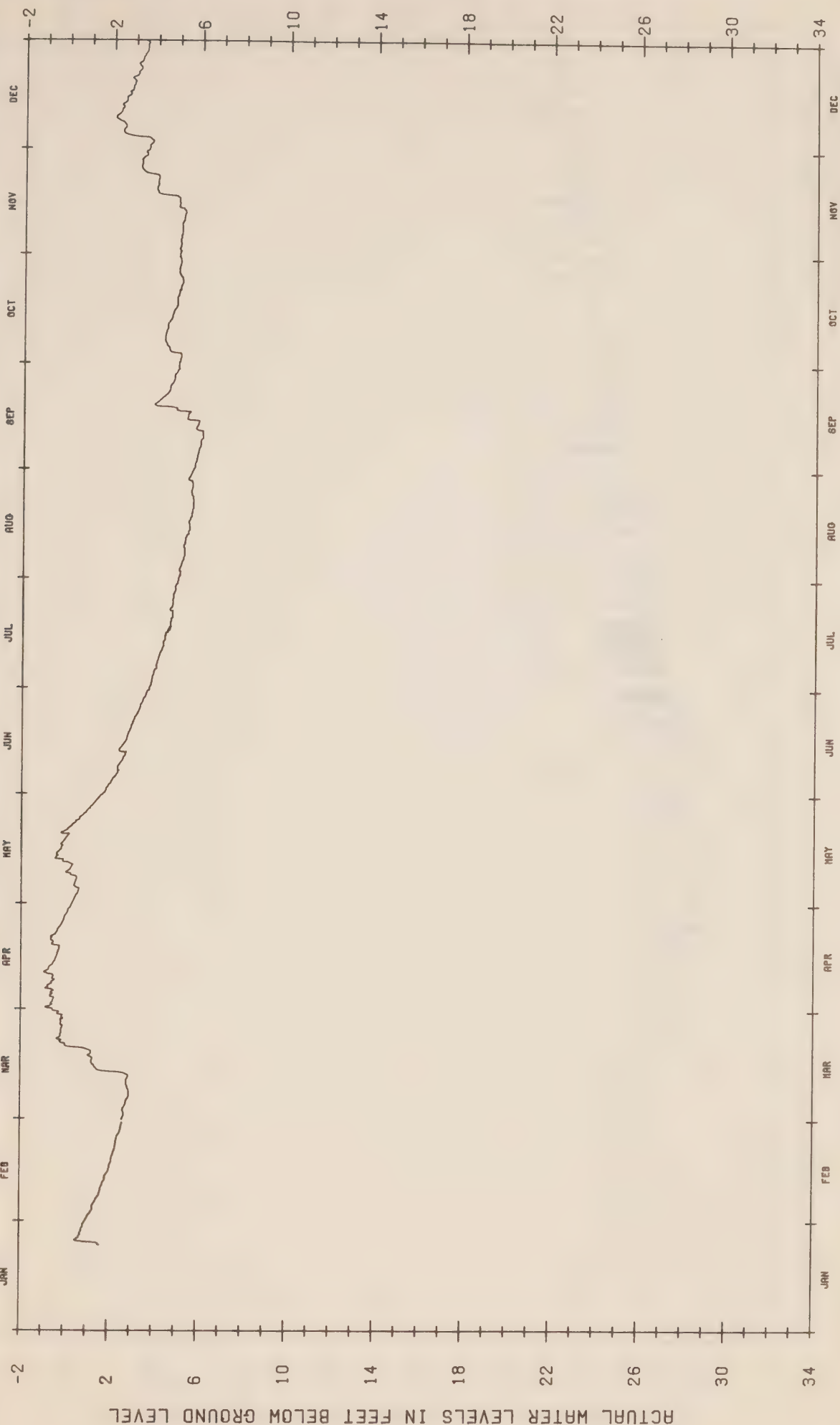
ENVIRONMENT ONTARIO



OBSERVATION WELL 437  
TOWNSHIP OF ESQUESING

1978

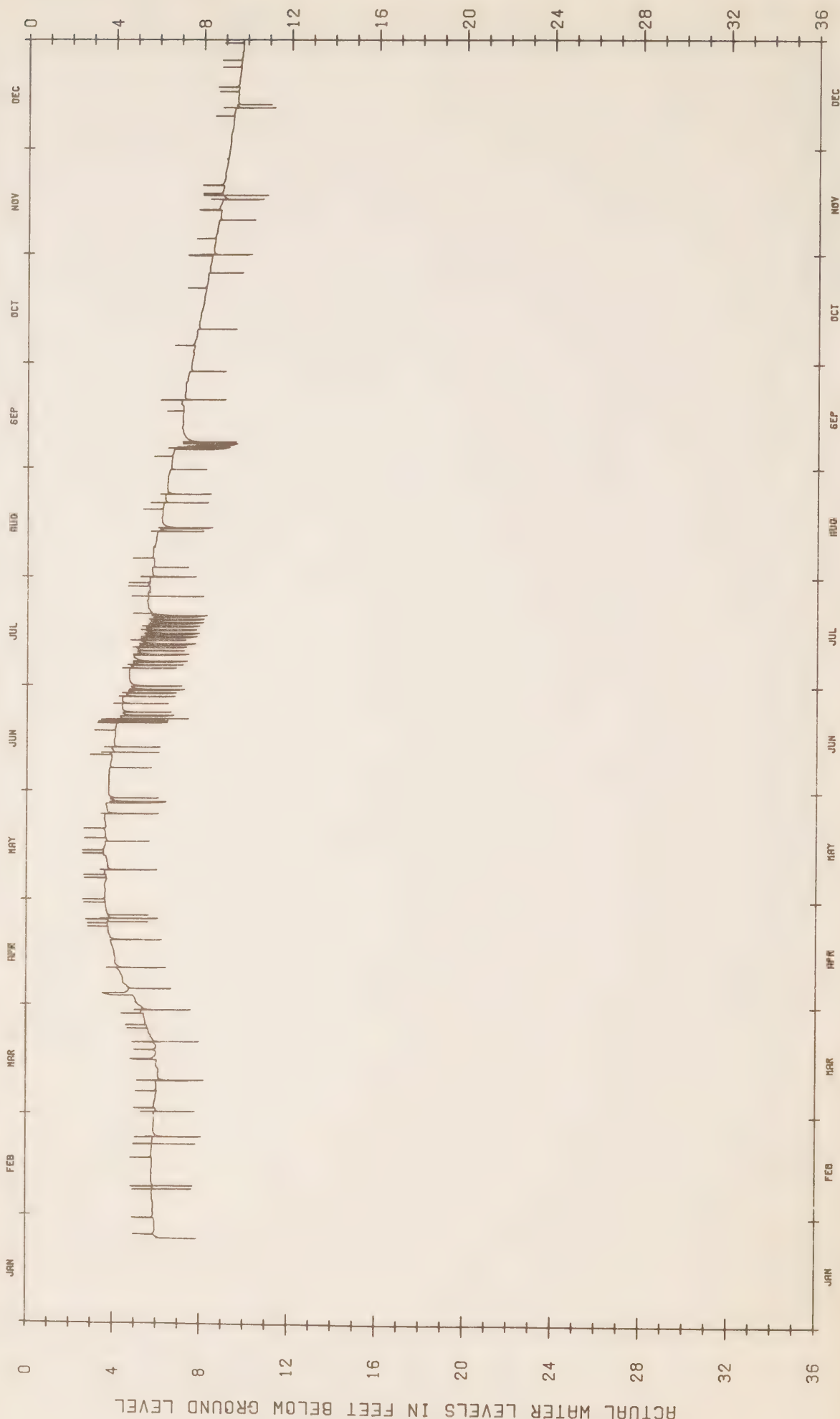
ENVIRONMENT ONTARIO



OBSERVATION WELL 377  
TOWN OF GEORGETOWN

1978

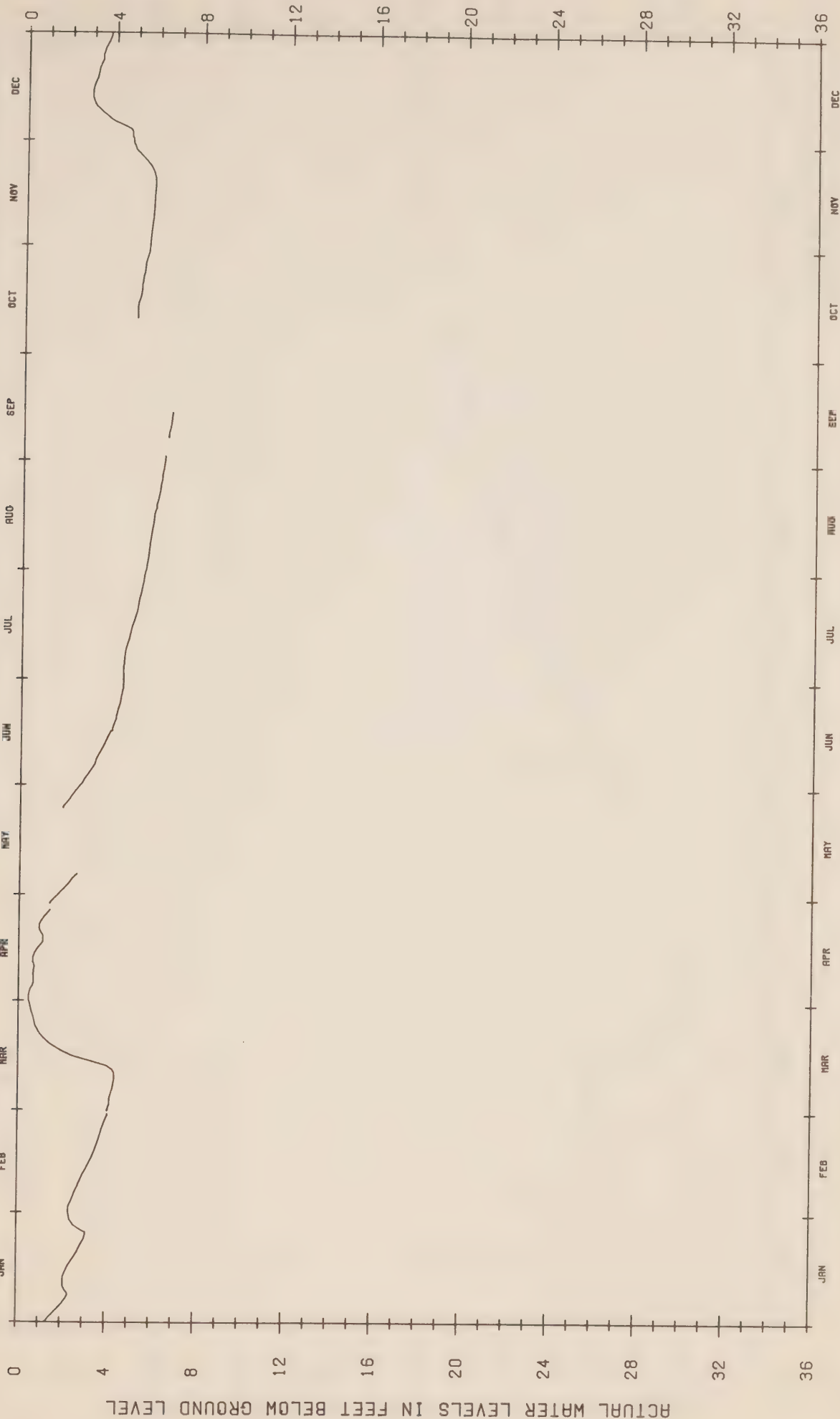
ENVIRONMENT ONTARIO



OBSERVATION WELL 374  
TOWNSHIP OF TRAFALGAR

1978

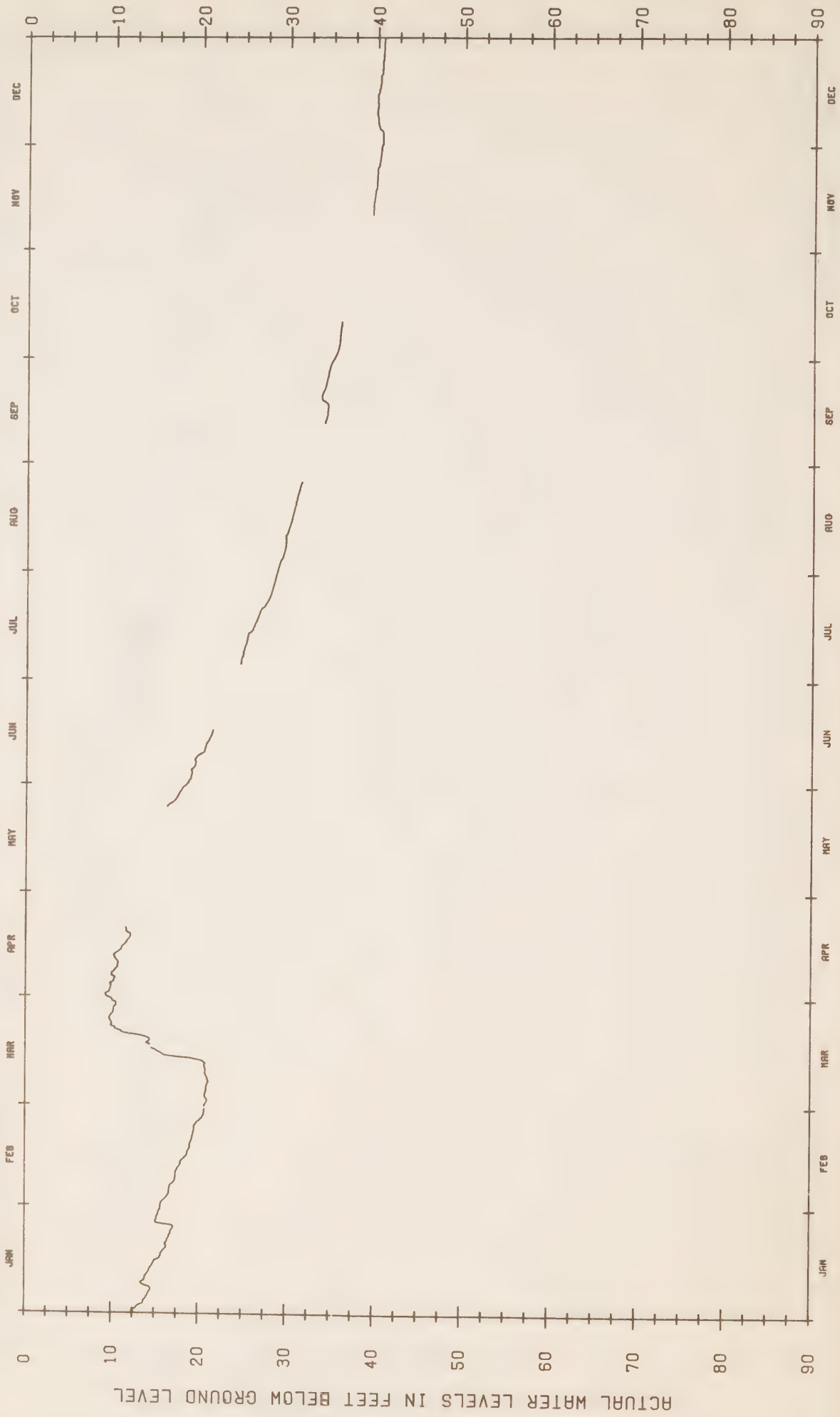
ENVIRONMENT ONTARIO



OBSERVATION WELL 531  
CITY OF BURLINGTON

1978

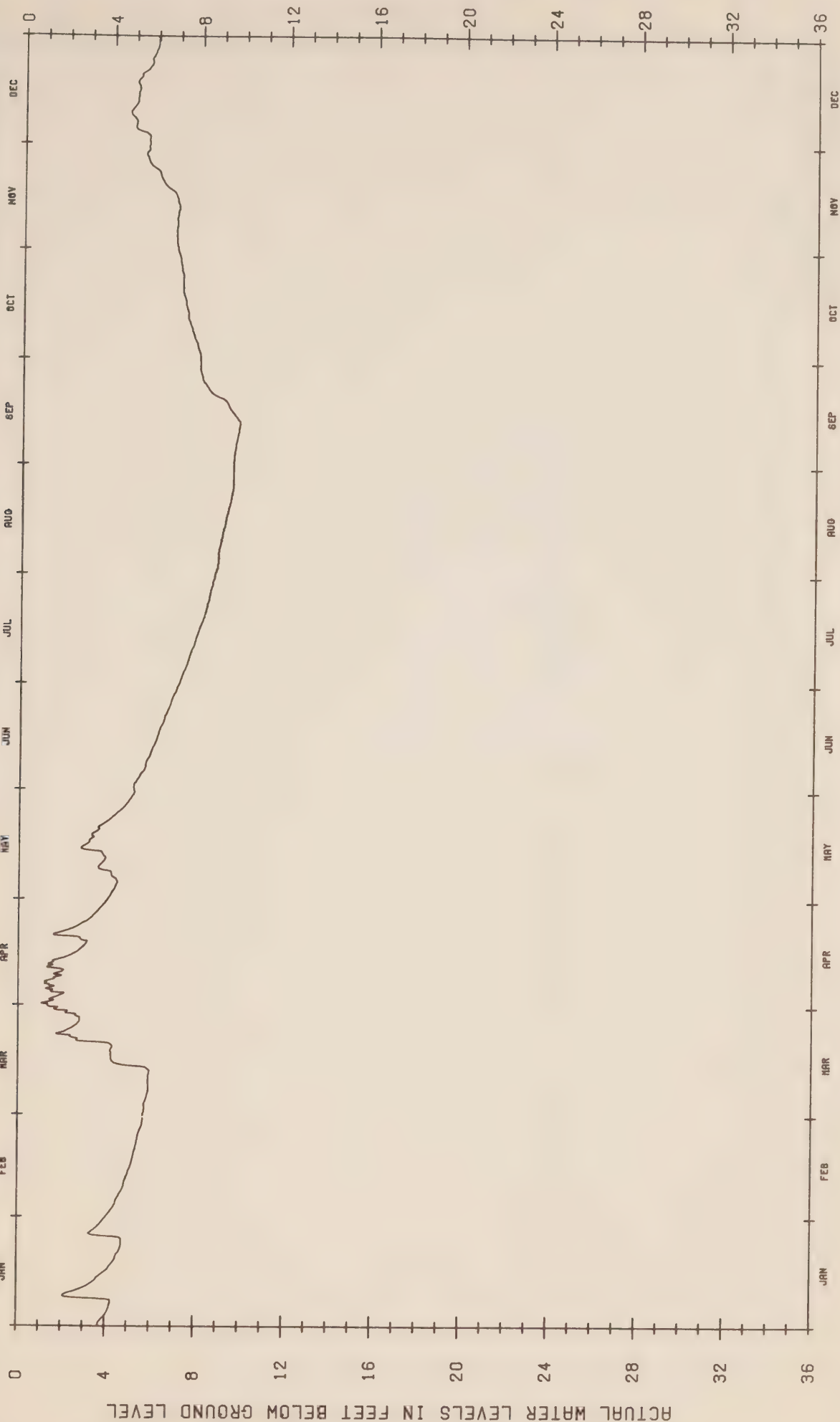
ENVIRONMENT ONTARIO



OBSERVATION WELL 530  
TOWNSHIP OF HOPE

1978

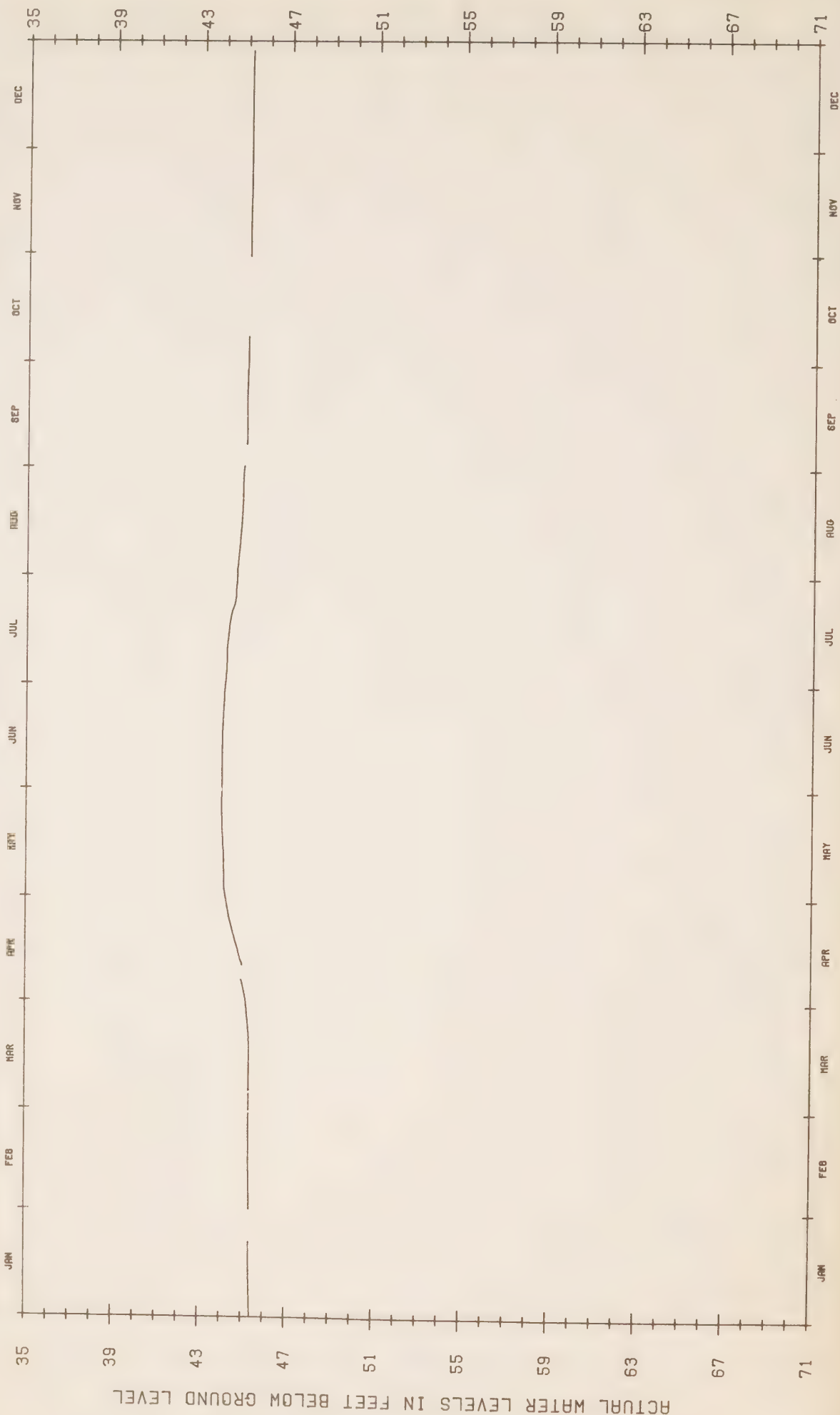
ENVIRONMENT ONTARIO



OBSERVATION WELL 253  
TOWNSHIP OF ALBION

1978

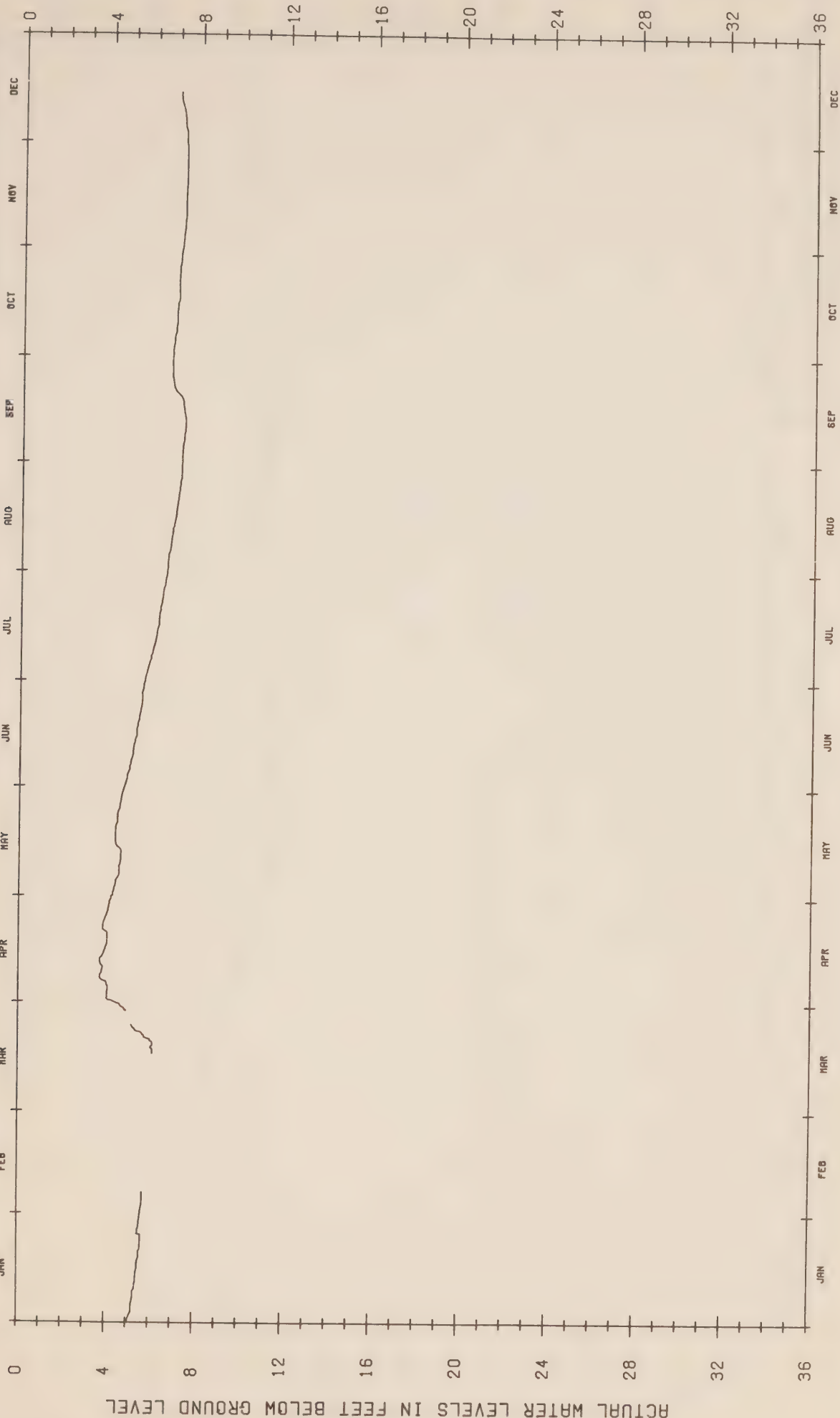
ENVIRONMENT ONTARIO



OBSERVATION WELL 167  
TOWNSHIP OF CHINGUACOUSY

1978

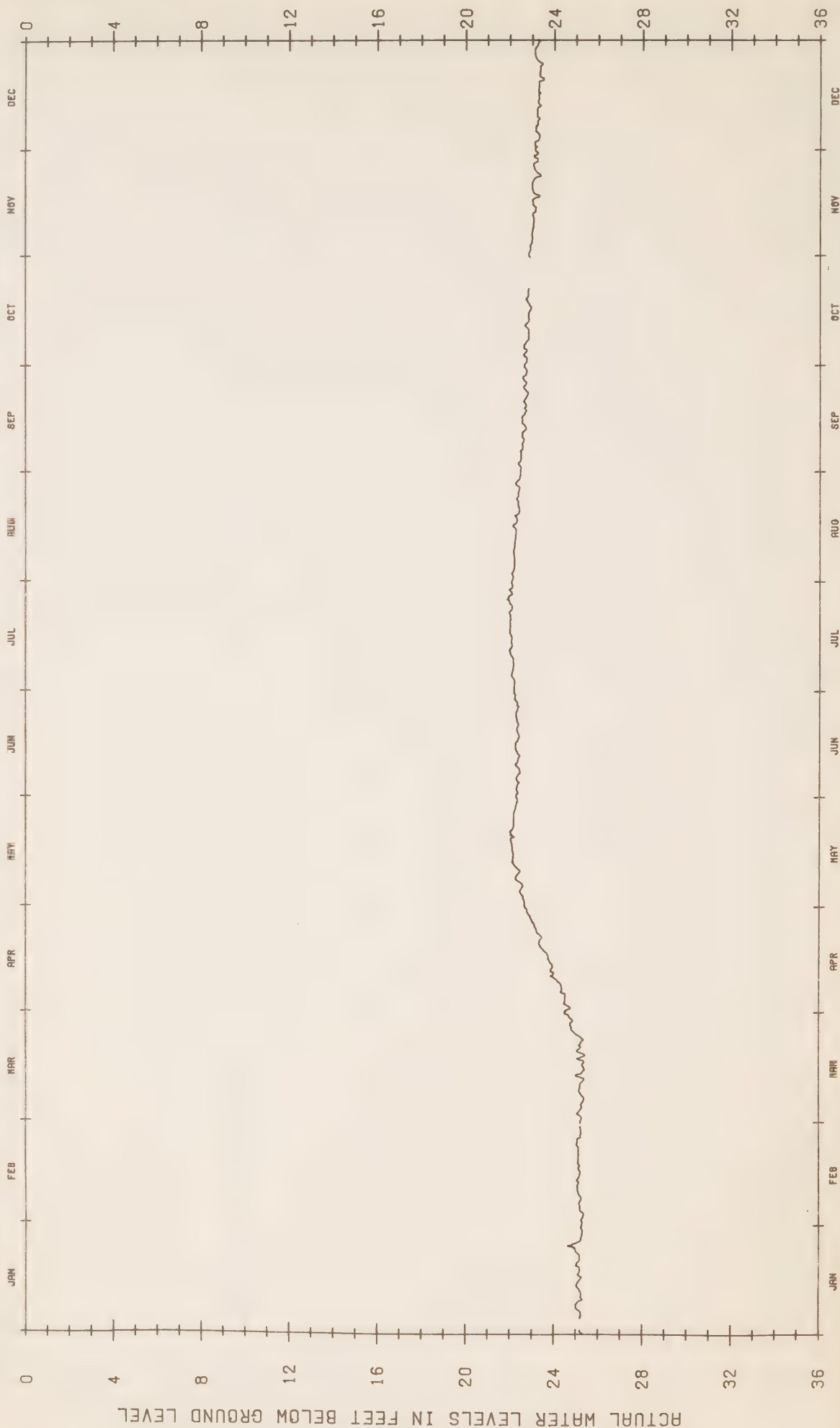
ENVIRONMENT ONTARIO



OBSERVATION WELL 168  
TOWNSHIP OF CHINGUACOUSY

1978

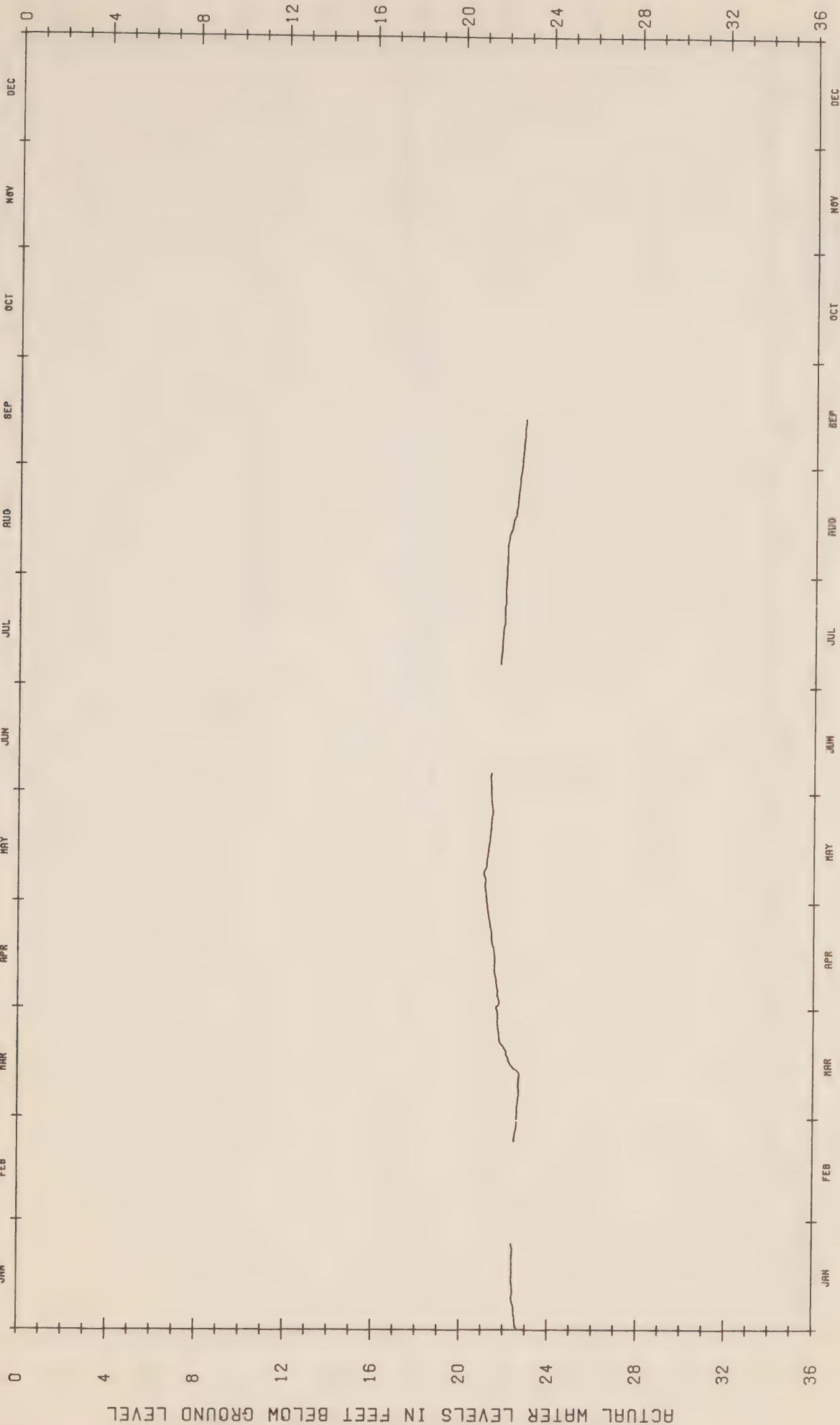
ENVIRONMENT ONTARIO



OBSERVATION WELL 065  
TOWNSHIP OF TORONTO

1978

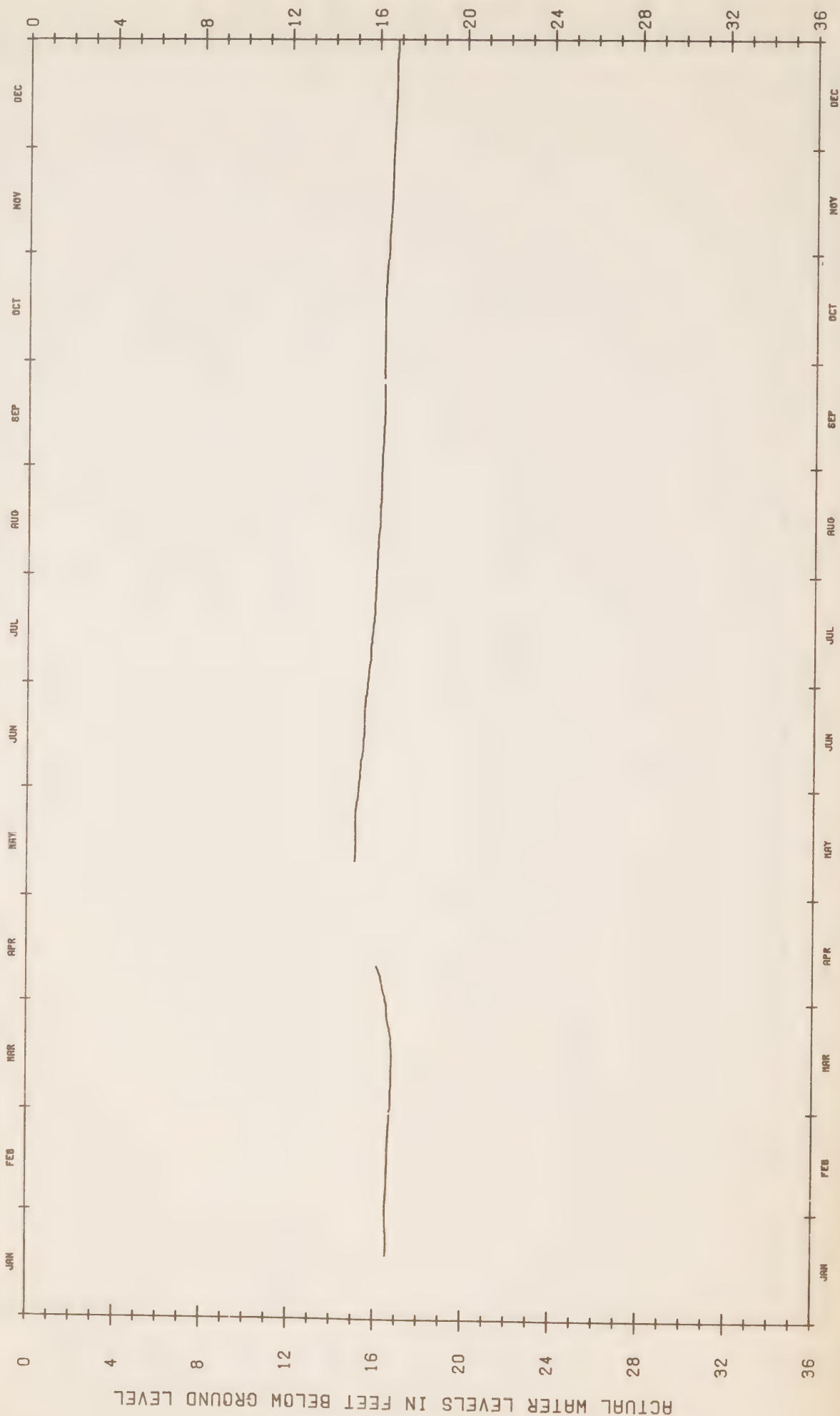
ENVIRONMENT ONTARIO



OBSERVATION WELL 529  
TOWNSHIP OF INNISFIL

1978

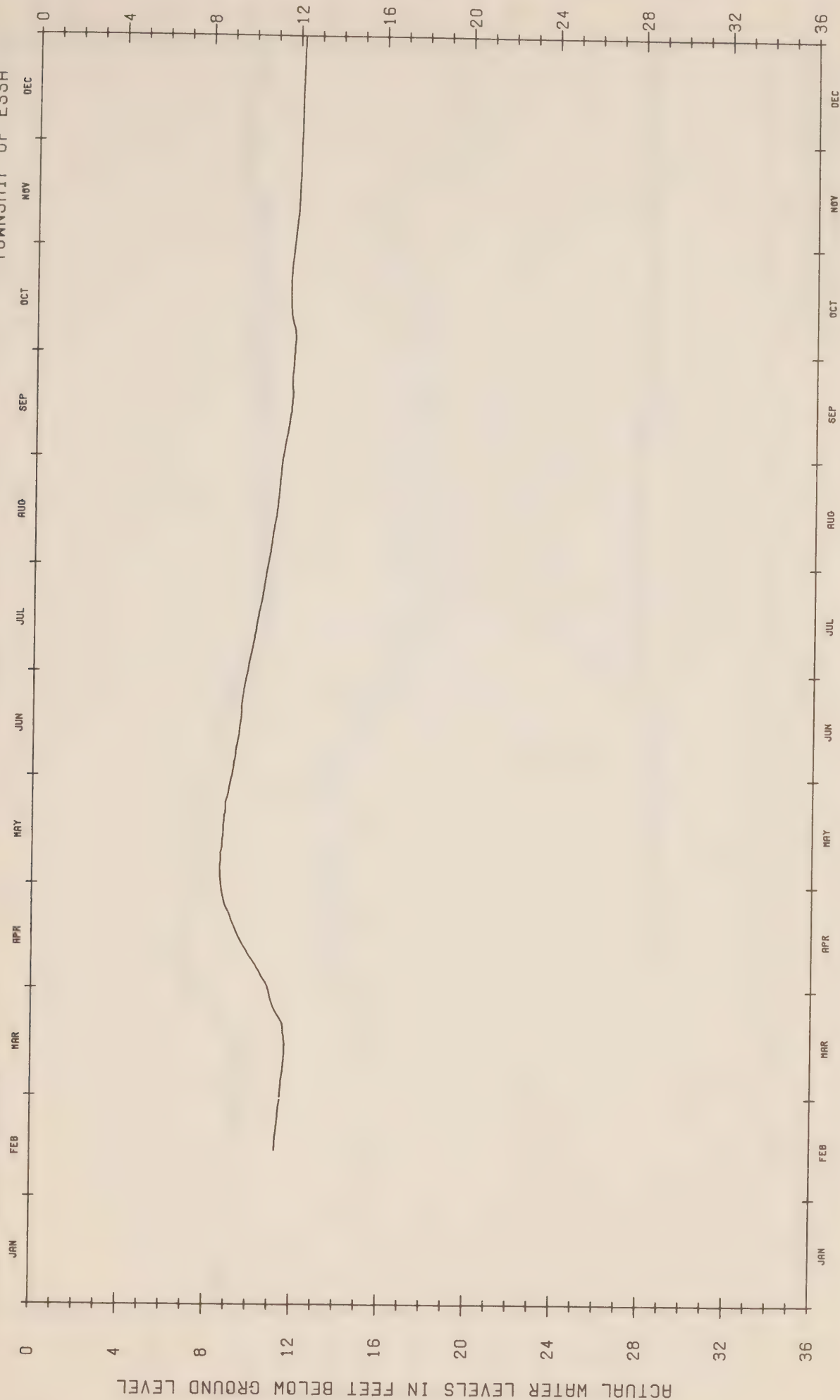
ENVIRONMENT ONTARIO



OBSERVATION WELL 007  
TOWNSHIP OF ESSA

1978

ENVIRONMENT ONTARIO



OBSERVATION WELL 373  
VILLAGE OF WASAGA BEACH

1978

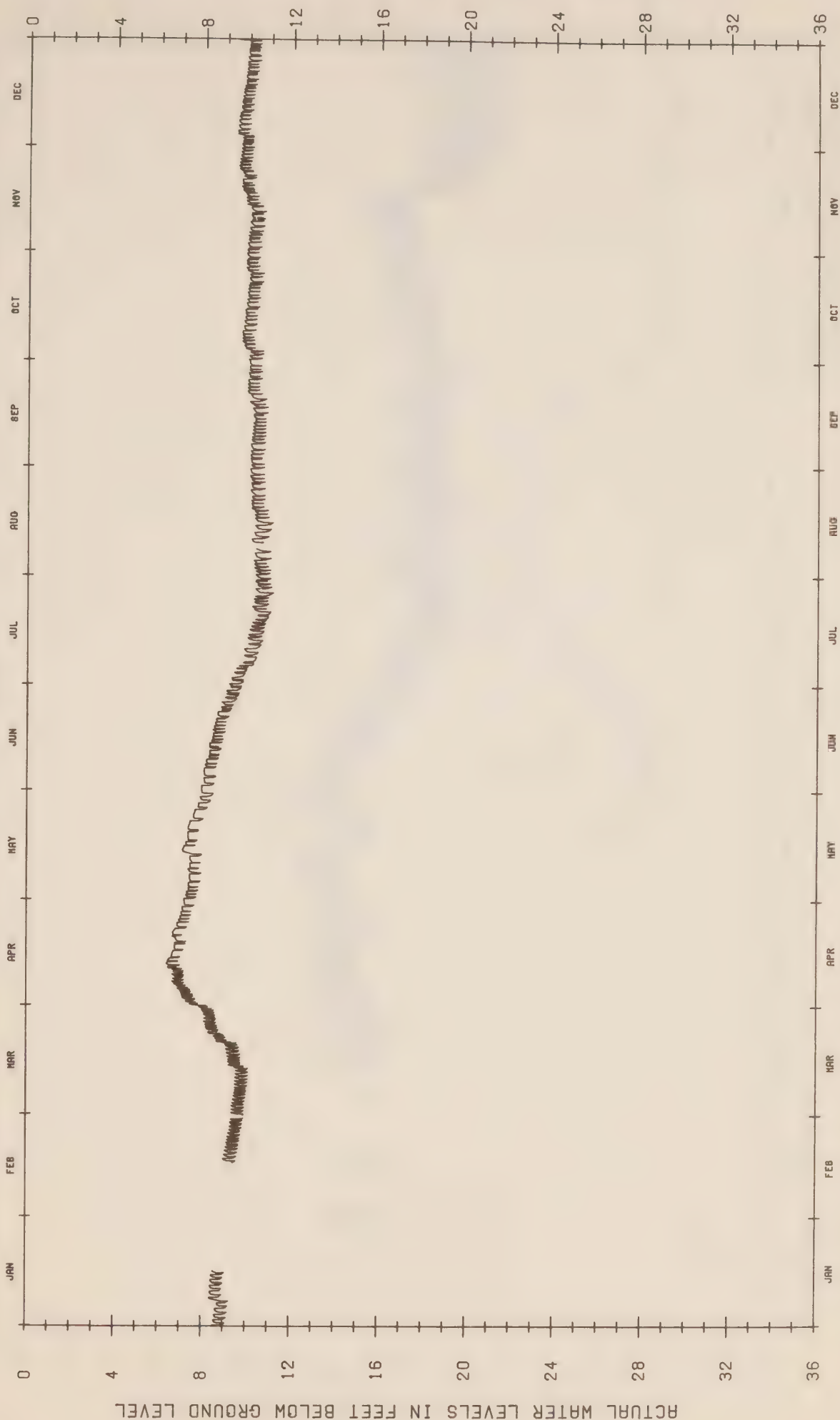
ENVIRONMENT ONTARIO



OBSERVATION WELL 375  
TOWNSHIP OF MARIPOSA

1978

ENVIRONMENT ONTARIO



OBSERVATION WELL 344  
TOWNSHIP OF E. GWILLIMBURY

1978

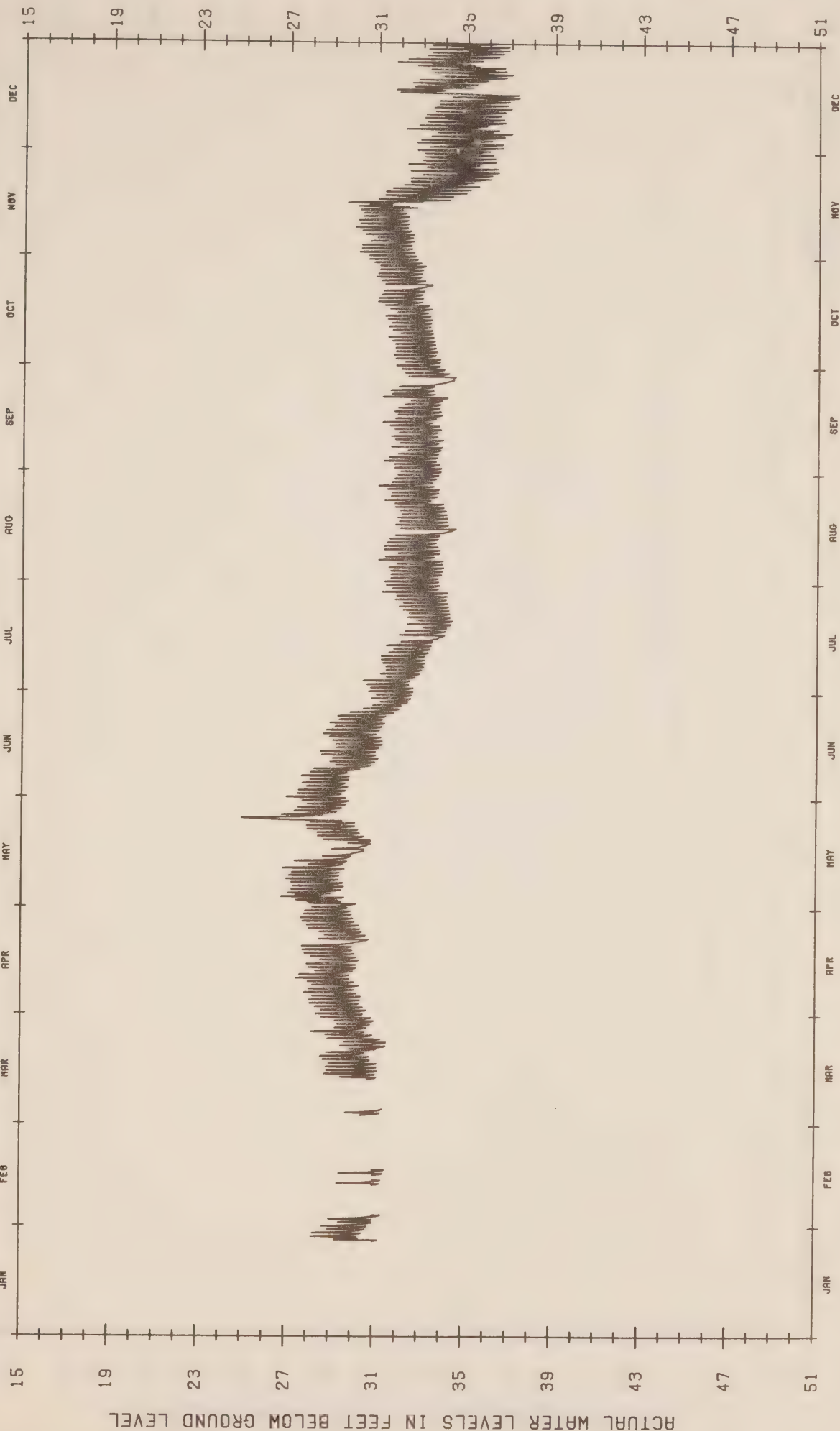
ENVIRONMENT ONTARIO



OBSERVATION WELL 342  
TOWNSHIP OF KING

1978

ENVIRONMENT ONTARIO

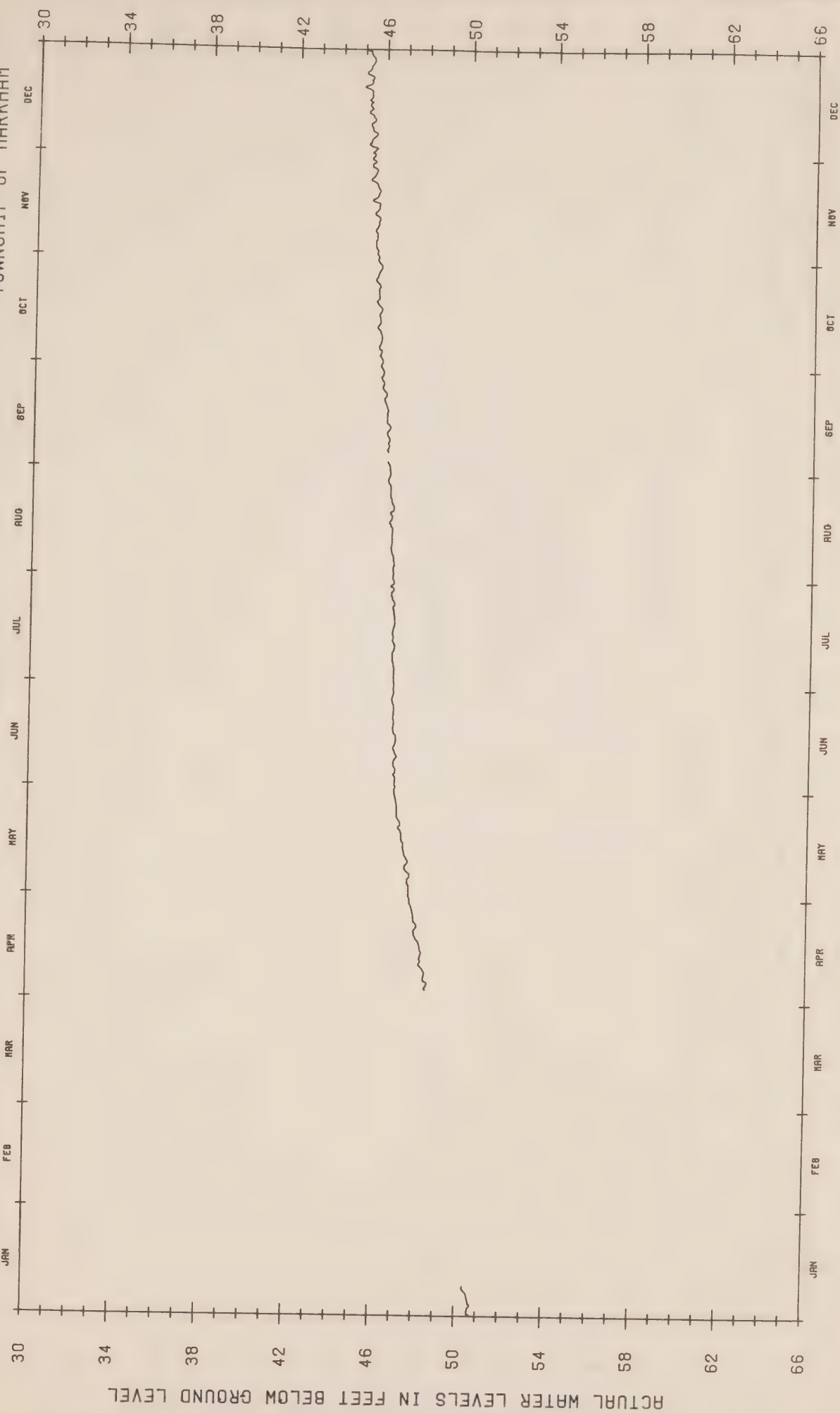


OBSERVATION WELL 343  
TOWNSHIP OF KING

1978

ENVIRONMENT ONTARIO

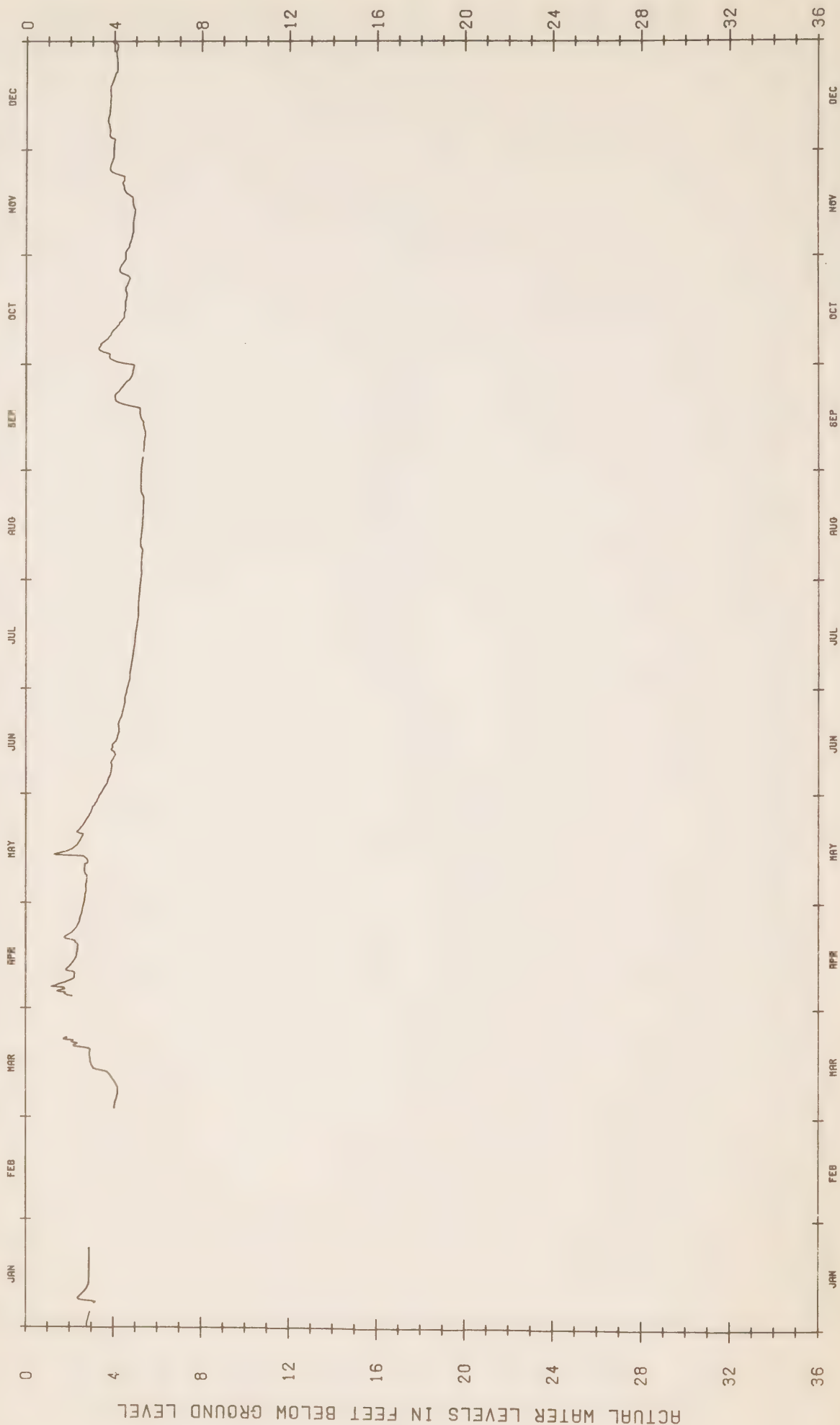




OBSERVATION WELL 305  
TOWNSHIP OF MARKHAM

1978

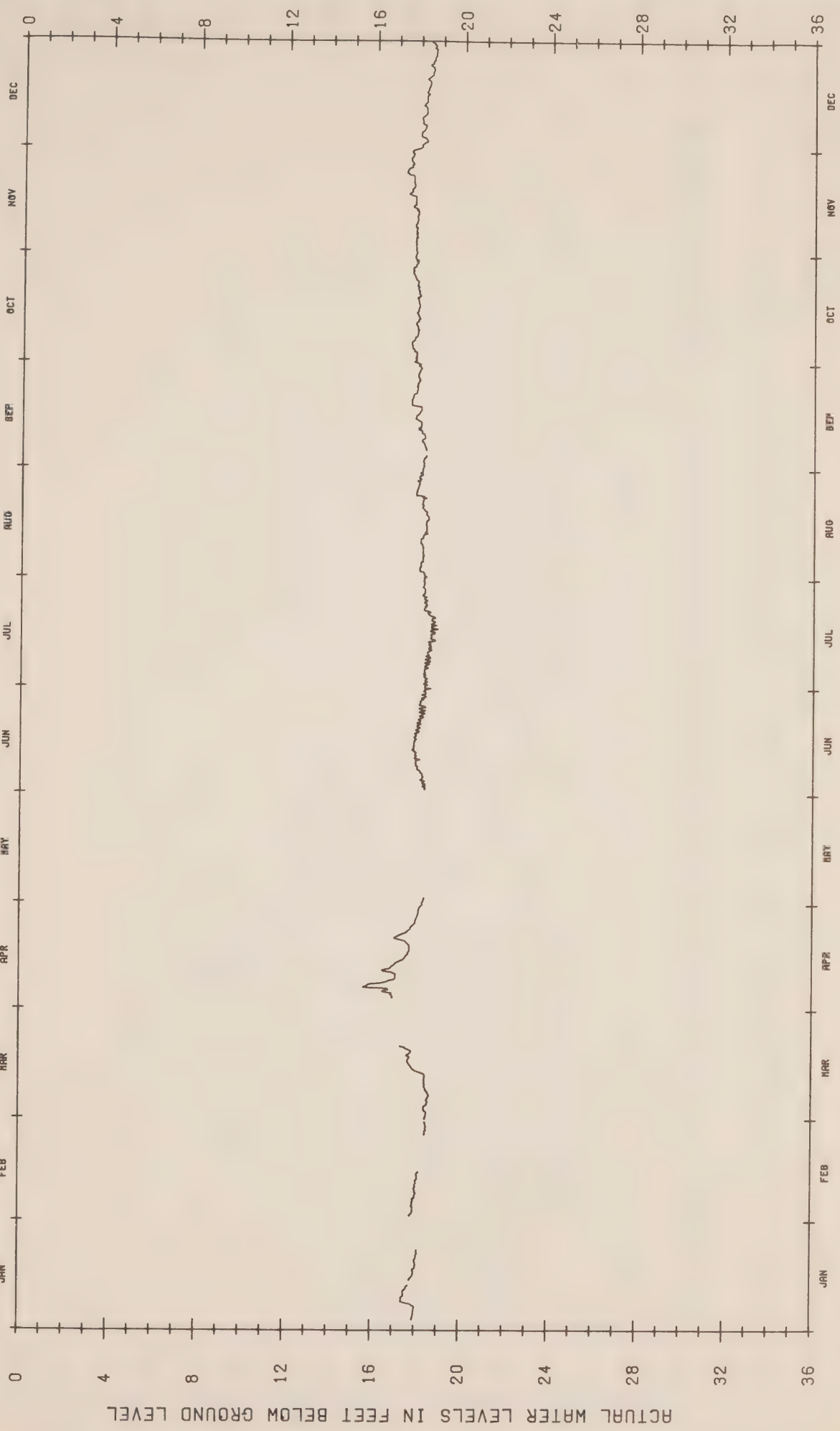
ENVIRONMENT ONTARIO



OBSERVATION WELL 398  
TOWNSHIP OF MARKHAM

1978

ENVIRONMENT ONTARIO



OBSERVATION WELL 090  
BOROUGH OF NORTH YORK

1978

ENVIRONMENT ONTARIO



OBSERVATION WELL 340  
TOWNSHIP OF WHITCHURCH

1978

ENVIRONMENT ONTARIO



# Southeastern Region

## OBSERVATION WELL DATA

### REGIONAL OFFICE

KINGSTON  
133 Dalton St.  
613-549-4000

### DISTRICT OFFICES







Belleville  
15 Victoria Ave.  
613-962-9208

Cornwall  
408 Pitt St.  
613-933-7402

Ottawa  
2378 Holly Lane  
613-521-3450

Pembroke  
1000 MacKay St.  
P.O. Box 67  
613-732-3643

### LEGEND

-  Regional Office
-  District Office
-  Recording Observation Well
-  Number of Recording Wells in same location
-  Manually Measured Well
-  Number of Manually Measured Wells in same location



ENVIRONMENT ONTARIO  
TORONTO  
DUNDAS COUNTY

OBSERVATION WELL 522  
CHESTERVILLE

WELL REC #1: 1801941  
UTM CO=ORD: 2=18 E481750 N4994100  
LAT & LONG: 49°14' NORTH 75°06' WEST

REC METHOD: A71 RECORDER  
REC COMMCD: MAY 13 1976  
MEASURE PT: 0.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 225 FEET ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: UNKNOWN 16.3,

DIAMETER OF WELL: 30 INCHES  
LENGTH OF CASING: 16.3 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 16.3 FEET

PUMP RATE: N/A,  
SPEC. CAP: N/A,  
AQUIFER: UNKNOWN  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					7.62	8.33	8.06	8.81	9.48	10.23	8.99	8.43	1
2					7.65	8.14	8.08	8.87	9.54	10.21	8.99	8.47	2
3					7.69	8.04	8.16	8.90	9.56	10.18	8.96	8.50	3
4					7.70	7.98	8.26	8.90	9.58	10.16	9.02	8.50	4
5					7.78	7.89	8.32	8.95	9.60	10.18	9.01	8.33	5
6					7.84	7.82	8.35	8.99	9.69	10.17	9.01	8.32	6
7					7.88	7.79	8.36	9.01	9.71	10.16	9.00	8.41	7
8					7.76	7.76	8.31	8.98	9.76	10.19	9.02	8.40	8
9					7.63	7.81	8.23	8.77	9.79	10.22	8.99	8.32	9
10					7.75	7.88	8.26	8.74	9.82	10.22	8.97	8.31	10
11				4.22	7.79	7.92	8.31	8.81	9.86	10.22	9.06	8.43	11
12				4.08	7.81	7.92	8.35	8.85	9.85	10.22	9.09	8.47	12
13				3.93	7.83	7.78	8.37	8.90	9.86	10.21	9.15	8.42	13
14				3.88	7.84	7.76	8.42	8.95	9.90	10.18	9.12	8.34	14
15				4.23	7.75	7.84	8.46	9.02	9.89	9.94	8.86	8.39	15
16				4.61	7.73	7.89	8.55	9.04	9.86	9.77	8.85	8.42	16
17				4.96	7.71	7.92	8.66	9.08	9.86	9.76	8.87	8.43	17
18				5.40	7.66	7.54	8.74	9.18	9.96	9.76	8.67	8.45	18
19				5.64	7.68	7.30	8.78	9.26	10.00	9.69	8.25	8.50	19
20				5.72	7.73	7.31	8.82	9.29	10.03	9.67	8.25	8.53	20
21				5.95	7.80	7.41	8.85	9.30	10.03	9.68	8.34	8.44	21
22				6.30	7.85	7.56	8.87	9.31	10.05	9.69	8.37	8.57	22
23				6.58	7.89	7.66	8.84	9.36	10.08	9.68	8.38	8.63	23
24				6.86	7.94	7.76	8.83	9.38	10.08	9.71	8.29	8.69	24
25				7.13	8.03	7.82	8.80	9.23	10.08	9.70	8.20	8.61	25
26				7.28	8.12	7.86	8.78	9.18	10.14	9.62	8.26	8.59	26
27				7.37	8.19	7.85	8.79	9.24	10.16	9.42	8.38	8.66	27
28				7.45	8.23	7.89	8.82	9.29	10.17	9.19	8.37	8.74	28
29				7.53	8.28	7.97	8.85	9.24	10.20	9.14	8.39	8.81	29
30				7.57	8.35	8.02	8.81	9.31	10.23	9.14	8.42	8.80	30
31					8.39	8.79	8.79	9.41		9.06		8.75	31
-MONTHLY SUMMARY-													
MEAN					7.87	7.81	8.54	9.08	9.89	9.85	8.72	8.51	MEAN
INST													
MAX					7.60 ( 1)	7.28 (19)	8.05 ( 1)	8.71 (10)	9.45 ( 1)	9.01 (31)	8.19 (25)	8.29 (10)	INST MAX
INST													
MIN					8.40 (31)	8.39 ( 1)	8.87 (22)	9.45 (31)	10.23 (30)	10.24 (11)	9.17 (14)	8.81 (30)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
GRENVILLE COUNTY

OBSERVATION WELL 523  
TOWNSHIP OF EDWARDSBURGH

WELL REC #1: 2403219  
UTM CO=ORD: 2=18 E454500 N4964400  
LAT & LONG: 44=49 NORTH 75=35 WEST

REC METHOD: A71 RECORDER  
REC COMMCD: MAY 11 1976  
MEASURE PT: 1.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 335 FEET ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: UNKNOWN 31,

DIAMETER OF WELL: 36 INCHES  
LENGTH OF CASING: 31 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 31 FEET

PUMP RATE: N/A,  
SPEC. CAP: N/A,  
AQUIFER: UNKNOWN  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					2.26	4.79	8.25	11.33	13.77		17.22	17.93	1
2					2.35	4.92	8.35	11.42	13.85		17.25	17.95	2
3					2.43	5.06	8.46	11.51	13.94		17.29	17.96	3
4					2.53	5.19	8.57	11.60	14.02		17.32	17.96	4
5					2.61	5.31	8.67	11.67	14.08		17.34	17.95	5
6					2.74	5.44	8.77	11.76	14.17		17.37	17.95	6
7					2.85	5.57	8.86	11.85	14.28		17.41	17.97	7
8					2.95	5.68	8.97	11.95	14.38		17.44	17.97	8
9					2.92	5.80	9.08	12.04	14.47		17.47	17.98	9
10					2.85	5.93	9.17	12.11	14.57		17.51	17.98	10
11					2.90	6.05	9.27	12.18	14.68		17.53	17.98	11
12					3.00	6.16	9.38	12.26	14.81		17.57	17.97	12
13					3.08	6.28	9.50	12.33	14.92		17.61	17.98	13
14					3.19	6.38	9.61	12.42	15.01		17.63	17.97	14
15					3.25	6.52	9.71	12.51	15.11		17.65	17.96	15
16					3.13	6.64	9.81	12.58	15.21		17.69	17.94	16
17					3.10	6.75	9.90	12.65	15.29		17.72	17.93	17
18					2.88	6.85	10.02	12.72	15.40	16.59	17.70	17.92	18
19					2.83	6.96	10.12	12.79	15.46	16.63	17.72	17.91	19
20					2.92	7.08	10.22	12.85	15.57	16.68	17.76	17.90	20
21					3.03	7.18	10.33	12.93	15.68	16.74	17.79	17.89	21
22					3.18	7.28	10.42	13.01		16.79	17.81	17.88	22
23					3.36	7.39	10.53	13.09		16.83	17.83	17.87	23
24					3.33	7.50	10.62	13.17		16.88	17.83	17.86	24
25					3.70	7.62	10.72	13.24		16.93	17.85	17.85	25
26					3.86	7.72	10.81	13.30		16.96	17.87	17.83	26
27					4.02	7.82	10.90	13.38		17.00	17.88	17.82	27
28					1.88 2.02	4.19 4.34	7.93 8.03	10.99 11.08	13.47 13.55	17.05 17.10	17.89 17.90	17.80 17.79	28 29
30					2.16	4.49	8.14	11.16	13.61	17.14	17.92	17.78	30
31						4.65	8.14	11.25	13.70	17.18		17.76	31
-MONTHLY SUMMARY-													
MEAN					3.20	6.53	9.79	12.55			17.63	17.91	MEAN
INST													
MAX					2.21 ( 1)	4.72 ( 1)	8.19 ( 1)	11.29 ( 1)			17.20 ( 1)	17.75 (31)	INST MAX
INST													
MIN					4.72 (31)	8.19 (30)	11.29 (31)	13.74 (31)			17.92 (30)	17.98 (13)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
HASTINGS COUNTY

OBSERVATION WELL 209

TOWNSHIP OF HUNGERFORD

CONC. 5

LOT 1

WELL REC #1 2900582  
UTM CO-ORD: Z=18 E312982 N4918717  
LAT & LONG: 44=24N04TH 77=21W05T

REC METHOD: IFI TYPE RECORDER  
REC COMCD: NOV. 28 1967  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 540 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: SAND AND BOULDERS 7; LIMESTONE 71.

DIAMETER OF WELL: 6.25 INCHES  
LENGTH OF CASING: 8.5 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 71 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1												39.21	1
2												38.98	2
3											40.56	38.18	3
4											40.40	38.23	4
5											40.19	38.52	5
6											40.26	37.86	6
7											40.00	37.46	7
8											40.51	37.60	8
9											39.73	36.93	9
10											40.74	36.90	10
11											40.51	37.27	11
12											39.74	36.89	12
13											38.54	36.61	13
14											38.36	36.79	14
15											37.77	36.95	15
16											38.27	36.17	16
17											39.26	35.00	17
18											40.24	36.15	18
19											41.11	36.88	19
20											41.11	36.49	20
21											40.79	36.23	21
22											40.62	36.16	22
23											40.74	36.39	23
24											40.50	35.64	24
25											40.24	35.16	25
26											39.68	35.59	26
27											39.75	36.03	27
28											39.92	35.63	28
29											39.60	36.10	29
30											39.37	36.20	30
31												36.09	31
MEAN												36.81	MEAN
INST MAX												33.71 (31)	INST MAX
INST MIN												39.77 (1)	INST MIN

MONTHLY SUMMARY

ENVIRONMENT ONTARIO  
TORONTO  
HASTINGS COUNTY

OBSERVATION WELL 400

TOWNSHIP OF SIDNEY

CONC. 5

LOT 1

WELL REC #1 2906088  
UTM CO-ORD: Z=18 E291640 N4896980  
LAT & LONG: 44=12N04TH 77=37W05T

REC METHOD: IFI TYPE RECORDER  
REC COMCD: JAN. 1974  
MEASURE PT: 3.4 FEET ABOVE GROUND SURFACE  
GND ELEV: 400 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK TOPSOIL 1; BROWN SAND 3; LOOSE BROWN SAND AND FINE GRAVEL 7; BROWN SAND AND COARSE GRAVEL 50; BROWN SAND AND GRAVEL BOULDERS 60; GREY LIMESTONE 65.

DIAMETER OF WELL: 7 INCHES  
LENGTH OF CASING: 50 FEET  
LENGTH OF SCREEN: 10 FEET  
DEPTH OF WELL: 60 FEET

PUMP RATE: 140 IGPM  
SPEC. CAP: 98.6 IGPM/FT  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				43.04	40.15	41.78	44.24	46.53	47.48	48.48	49.54	50.50	1
2				42.84	40.21	41.86	44.32	46.57	47.52	48.49	49.61	50.54	2
3				42.59	40.29	41.91	44.42	46.57	47.60	48.53	49.68		3
4				42.32	40.35	42.01	44.51	46.57	47.68	48.58	49.71		4
5				42.13	40.39	42.11	44.62	46.56	47.75	48.62	49.73		5
6				41.92	40.46	42.20	44.74	46.58	47.77	48.64	49.79		6
7			44.28	41.69	40.50	42.28	44.89	46.60	47.77	48.64	49.82		7
8			44.32	41.46	40.56	42.34	45.00	46.62	47.77	48.74	49.84	50.58	8
9		43.36	44.32	41.24	40.61	42.37	45.10	46.62	47.77	48.78	49.85	50.59	9
10		43.32	44.32	41.05	40.68	42.45	45.19	46.70	47.79	48.86	49.86	50.60	10
11		43.31	44.36	40.84	40.74	42.55	45.27	46.77	47.80	48.90	49.87	50.64	11
12		43.32	44.41	40.70	40.77	42.64	45.35	46.84	47.85	48.93	49.88	50.60	12
13		43.33	44.44	40.58	40.81	42.73	45.43	46.92	47.94	48.97	49.88	50.56	13
14		43.35	44.44	40.49	40.85	42.76	45.49	46.99	47.96	48.99	49.92	50.55	14
15		43.40	44.42	40.42	40.87	42.81	45.54	47.02	47.99	48.99	49.92	50.54	15
16		43.43	44.40	40.38	40.88	42.89	45.58	47.02	48.03	48.99	50.01	50.56	16
17	45.40	43.45	44.37	40.34	40.89	42.98	45.68	47.02	48.10	49.03	50.10	50.54	17
18	45.32		44.33	40.32	40.89	43.08	45.74	47.05	48.15	49.09	50.19	50.57	18
19	45.26		44.26	40.27	40.90	43.17	45.78	47.06	48.16	49.14	50.23	50.60	19
20	45.19		44.25	40.23	40.91	43.22	45.85	47.07	48.17	49.19	50.27	50.59	20
21	45.14		44.20	40.18	40.94	43.28	45.94	47.11	48.21	49.23	50.30	50.56	21
22	45.09		44.15	40.11	40.97	43.33	46.02	47.15	48.25	49.27	50.31	50.56	22
23	45.04		44.07	40.05	40.99	43.42	46.07	47.24	48.29	49.28	50.29	50.57	23
24	44.99		43.97	40.00	41.08	43.51	46.13	47.32	48.32	49.29	50.28	50.58	24
25	44.93		43.85	39.98	41.14	43.61	46.19	47.37	48.35	49.29	50.28	50.59	25
26	44.82		43.71	39.96	41.21	43.71	46.24	47.42	48.40	49.29	50.28	50.50	26
27	44.76		43.58	39.99	41.30	43.79	46.30	47.46	48.41	49.29	50.29	50.60	27
28	44.68		43.49	40.00	41.38	43.90	46.37	47.47	48.41	49.29	50.35	50.63	28
29	44.58		43.44	40.04	41.46	44.04	46.43	47.48	48.45	49.33	50.39	50.65	29
30	44.48		43.34	40.10	41.56	44.16	46.47	47.48	48.48	49.38	50.45	50.65	30
31			43.22		41.68		46.49	47.48		49.44		50.65	31
MEAN				40.84	40.85	42.90	45.53	46.99	48.02	49.00	50.03		MEAN
INST MAX				39.98 (25)	40.13 (1)	41.74 (1)	44.20 (1)	46.51 (1)	47.48 (1)	48.48 (1)	49.49 (1)		INST MAX
INST MIN				43.14 (1)	41.74 (31)	44.20 (30)	46.51 (31)	47.48 (31)	48.48 (29)	49.49 (31)	50.48 (30)		INST MIN

MONTHLY SUMMARY

ENVIRONMENT ONTARIO  
TORONTO  
HASTINGS COUNTY

OBSERVATION WELL 122  
TOWNSHIP OF THURLOW

WELL REC #1 2905483  
UTM CO=0ND1 Z=18 E312800 N4904950  
LAT & LONG1 44=17NORTH 77=21WEST

REC METHOD1 'F' TYPE RECORDER  
REC COMMD1 FEB 2 1965  
MEASURE PT1 2.0 FEET ABOVE GROUND SURFACE  
GND ELEV1 375 FEET ABOVE SEA LEVEL  
WELL TYPE1 DUG  
WELL LOG1 STONEY CLAY 30.3,

DIAMETER OF WELL1 48 INCHES  
LENGTH OF CASING1 30.3 FEET  
LENGTH OF SCREEN1 NONE  
DEPTH OF WELL1 30.3 FEET

PUMP RATE1 N.A.  
SPEC. CAP1 N.A.  
AQUIFER 1 CLAY  
QUALITY 1 FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				1.49	3.12	4.55	7.60	9.88	10.43	10.76	11.42	7.47	1
2				1.81	3.23	4.70	7.69	9.92	10.44	10.79	11.39	7.07	2
3				2.05	3.32	4.83	7.78	9.96	10.46	10.81	11.39	6.80	3
4				2.06	3.41	4.95	7.87	9.97	10.48	10.83	11.38	6.49	4
5				1.80	3.47	5.09	7.96	9.97	10.51	10.86	11.38	5.97	5
6				1.96	3.52	5.23	8.05	9.96	10.55	10.88	11.38	5.27	6
7				1.89	3.37	5.33	8.14	9.97	10.58	10.91	11.39	4.45	7
8				2.19	3.32	5.44	8.22	9.99	10.62	10.94	11.41	4.32	8
9				2.39	3.01	5.54	8.31	10.02	10.66	10.98	11.43	4.31	9
10				2.47	2.93	5.65	8.40	10.05	10.70	11.02	11.46	4.36	10
11				2.29	3.02	5.74	8.48	10.09	10.75	11.06	11.47	4.43	11
12				2.32	3.08	5.84	8.57	10.12	10.79	11.10	11.50	4.83	12
13				2.46	3.06	5.97	8.65	10.16	10.81	11.13	11.53		13
14				2.54	2.84	6.09	8.73	10.20	10.82	11.16	11.54		14
15				2.60	2.60	6.19	8.81	10.23	10.81	11.19	11.56		15
16				2.64	2.60	6.27	8.88	10.27	10.80	11.22	11.55		16
17	2.77			2.67	2.60	6.35	8.95	10.30	10.79	11.24	11.49		17
18	2.81			2.70	2.59	6.43	9.03	10.32	10.80	11.26	11.21		18
19	2.85			2.62	2.57	6.52	9.10	10.33	10.80	11.29	10.89		19
20	2.89			1.99	2.65	6.61	9.17	10.34	10.77	11.31	10.63		20
21	2.92			1.84	2.77	6.69	9.25	10.35	10.72	11.34	10.41		21
22	2.95			2.26	2.68	6.78	9.31	10.35	10.68	11.37	10.20		22
23	2.99			2.45	3.00	6.87	9.37	10.36	10.65	11.39	10.00		23
24	3.00			2.55	3.15	6.97	9.42	10.38	10.64	11.43	9.76		24
25	3.00			2.62	3.33	7.06	9.48	10.40	10.62	11.46	9.47		25
26	1.96			2.68	3.52	7.13	9.55	10.40	10.63	11.49	9.14		26
27	1.91			2.74	3.70	7.23	9.61	10.41	10.64	11.50	8.74		27
28	2.24			2.62	3.86	7.32	9.67	10.44	10.66	11.50	8.28		28
29	2.41		2.22	2.91	4.04	7.41	9.73	10.46	10.69	11.49	7.98		29
30			1.99	3.02	4.21	7.51	9.78	10.45	10.72	11.46	7.73		30
31			1.75		4.39		9.83	10.44		11.45			31
-MONTHLY SUMMARY-													
MEAN				2.36	3.20	6.14	8.82	10.21	10.67	11.18			MEAN
INST				1.33	2.54	4.48	7.55	9.86	10.43	10.74			INST
MAX				( 1)	(15)	( 1)	( 1)	( 1)	( 1)	( 1)			MAX
INST				3.07	4.48	7.55	9.86	10.46	10.82	11.50			INST
MIN				(30)	(31)	(30)	(31)	(30)	(14)	(27)			MIN

ENVIRONMENT ONTARIO  
TORONTO  
HASTINGS COUNTY

OSERVATION WELL 32R  
TOWNSHIP OF THURLOW

WELL REC #1 2906070  
UTM CO=0RD1 Z=18 E309090 N4905560  
LAT & LONG1 44=13NORTH 77=23WEST

REC METHOD1 STEEL TAPE  
REC COMMD1 NOV. 16 1970  
MEASURE PT1 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV1 340 FEET ABOVE SEA LEVEL  
WELL TYPE1 DRILLED  
WELL LOG1 BROWN TOPSOIL 011 LOOSE BROWN SAND AND GRAVEL 05.

DIAMETER OF WELL1 2 INCHES  
LENGTH OF CASING1 5 FEET  
LENGTH OF SCREEN1 NONE  
DEPTH OF WELL1 5 FEET

PUMP RATE1 N.A.  
SPEC. CAP1 N.A.  
AQUIFER 1 SAND AND GRAVEL  
QUALITY 1 FRESH

1978  
DATE AND WATER LEVEL MEASUREMENTS IN FEET BELOW GROUND SURFACE

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
167 -0.41	087 -0.53										

ENVIRONMENT ONTARIO  
TORONTO  
LENNOX AND ADDINGTON COUNTY

OBSERVATION WELL 474  
TOWNSHIP OF ERNESTOWN

CUNC, 5

LOT 14

WELL REC #1 3701191  
UTM CO-ORD: Z=18 E359480 N4902559  
LAT & LONG: 44=16 NORTH 76=49 WEST

REC METHOD: A35 RECORDER  
REC COMMD: JAN, 18 1968  
MEASURE PT: 3.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 350 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: CLAY 3; LIMESTONE 23.

DIAMETER OF WELL: 6 INCHES  
LENGTH OF CASING: 8 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 23 FEET

PUMP RATE: 2 IGPM  
SPEC. CAP: 0.25 IGPM/FT  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	6.15	6.11	6.59	5.11	6.26	6.68	6.86	6.66	6.50				1
2	6.15	6.21	6.63	4.93	6.29	6.70	6.90	6.66	6.53				2
3	6.17	6.26	6.68	5.22	6.34	6.66	6.97	6.68	6.53				3
4	6.20	6.32	6.70	5.50	6.36	6.70	7.15	6.47	6.53				4
5	6.23	6.33	6.71	5.39	6.37	6.71	7.46	6.49	6.55				5
6	6.26	6.35	6.72	5.33	6.36	6.71	7.55	6.64					6
7	6.27	6.40	6.74	5.21	6.35	6.70	7.64	6.66					7
8	6.27	6.43	6.72	5.26	6.35	6.64	7.85	6.68					8
9	5.36	6.44	6.72	5.44	6.10	6.64	7.37	6.68					9
10	5.31	6.45	6.68	5.55	6.21	6.66	7.08	6.68					10
11	5.38	6.45	6.65	5.49	6.29	6.70	7.11	6.69					11
12	5.61	6.47	6.59	5.30	6.31	6.73	7.13	6.73					12
13	5.76	6.48	6.54	5.40	6.32	6.68	7.02	6.73					13
14	5.87	6.48	5.99	5.55	6.32	6.65	6.88	6.72					14
15	5.97	6.48	5.77	5.72	6.09	6.66	6.85	6.72					15
16	6.07	6.50	5.96	5.85	6.14	6.69	6.83	6.72					16
17	6.14	6.53	6.09	5.93	6.18	6.71	6.83	6.69					17
18	6.19	6.54	6.17	5.96	6.22	6.70	6.83	6.67					18
19	6.25	6.55	6.17	5.97	6.26	6.74	6.85	6.67					19
20	6.26	6.56	6.19	5.63	6.30	6.70	6.94	6.63					20
21	6.27	6.55	5.66	5.38	6.34	6.70	7.68	6.54					21
22	6.30	6.55	5.50	5.55	6.38	6.70	7.57	6.57					22
23	6.35	6.56	5.45	5.71	6.40	6.75	7.28	6.62					23
24	6.38	6.57	5.62	5.84	6.43	6.76	7.07	6.63					24
25	6.42	6.56	5.77	5.96	6.46	6.80	6.94	6.47					25
26	5.88	6.57	5.85	6.03	6.52	6.81	6.91	6.42					26
27	5.64	6.57	5.96	6.07	6.54	6.81	6.86	6.51					27
28	5.77	6.58	5.85	6.11	6.57	6.81	6.80	6.53					28
29	5.82		5.79	6.18	6.63	6.84	6.78	6.31					29
30	5.90		5.66	6.22	6.65	6.85	6.76	6.36					30
31	6.01		5.56		6.66		6.64	6.46					31
=MONTHLY SUMMARY=													
MEAN	6.02	6.46	6.18	5.63	6.35	6.72	7.08	6.60					MEAN
INST	5.14	6.05	5.28	4.70	5.94	6.63	6.64	6.18					INST
MAX	( 9 )	( 1 )	(31)	( 2 )	( 9 )	( 8 )	(31)	(29)					MAX
INST	6.42	6.59	6.74	6.24	6.69	6.85	8.21	6.74					INST
MIN	(26)	(28)	( 7 )	(30)	(31)	(30)	( 8 )	(12)					MIN

ENVIRONMENT ONTARIO  
TORONTO  
REG. MUNICIPALITY OF OTTAWA=CARLETON

OBSERVATION WELL 541  
TOWNSHIP OF NEPEAN

RP 3

WELL REC #1 1514435  
UTM CO-ORD: Z=84 E405155 N014864  
LAT & LONG: 45=17 NORTH 79=45 WEST

REC METHOD: A35 RECORDER  
REC COMMD: NOV, 30 1978  
MEASURE PT: 1.25 FEET ABOVE GROUND SURFACE  
GND ELEV: 308 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: GREY CLAY 13; WHITE SANDSTONE 294.

DIAMETER OF WELL: 10 INCHES  
LENGTH OF CASING: 22 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 294 FEET

PUMP RATE: 75 IGPM  
SPEC. CAP: N/A  
AQUIFER: WHITE SANDSTONE  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1												11.73	1
2												11.68	2
3												11.63	3
4												11.44	4
5												11.34	5
6												11.28	6
7												11.18	7
8												11.05	8
9												10.98	9
10												10.95	10
11												10.96	11
12												10.89	12
13												10.80	13
14												10.77	14
15												10.75	15
16												10.74	16
17												10.65	17
18												10.69	18
19												10.69	19
20												10.66	20
21												10.59	21
22												10.65	22
23												10.70	23
24												10.70	24
25												10.62	25
26												10.66	26
27												10.69	27
28												10.74	28
29												10.77	29
30												10.76	30
31												10.73	31
=MONTHLY SUMMARY=													
MEAN												10.92	MEAN
INST												10.53	INST
MAX												(21)	MAX
INST												11.77	INST
MIN												( 1 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
PRESCOTT COUNTY

OBSERVATION WELL 521  
TOWNSHIP OF SOUTH PLANTAGENET

CONC. 13 LOT 17

WELL REC #1 5201152  
UTM CO=ORD: Z=18 E499950 N5027100  
LAT & LONG: 45=02 NORTH 75=25W E8T

REC METHOD: A71 RECORDER  
REC COMCD: APR, 03 1976  
MEASURE PT: 1,8 FEET ABOVE GROUND SURFACE  
GND ELEV: 220 FEET ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: UNKNOWN 25,7,

DIAMETER OF WELL: 36 INCHES  
LENGTH OF CASING: 26 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 25.7 FEET

PUMP RATE: N/A  
SPEC. CAP: N/A  
AQUIFER: UNKNOWN  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		23,03					23,99				23,45	23,79	1
2		23,02					24,00				23,47	23,76	2
3		23,01					24,01				23,47	23,80	3
4		23,01					24,02				23,48	23,82	4
5							24,03				23,49	23,81	5
6					23,14		24,03				23,49	23,85	6
7					23,11		24,05				23,49	23,86	7
8					23,05	24,01	24,05				23,53	23,88	8
9					22,98	24,02	24,06				23,55	23,83	9
10					23,00	24,05	24,06				23,56	23,88	10
11					23,00	24,00	24,06				23,56	23,91	11
12					22,92	23,99	24,08				23,59	23,93	12
13					22,87	23,98	24,09				23,61	23,92	13
14					22,83	24,00	24,09				23,62	23,93	14
15						23,99	24,12				23,64	23,95	15
16						23,99	24,13				23,63	23,99	16
17						23,98	24,14			23,31	23,62	23,99	17
18	23,09					23,96	24,13			23,30	23,67	23,98	18
19	23,91					23,95				23,30	23,68	23,96	19
20	23,09					23,96				23,32	23,68	24,00	20
21	23,07					23,96				23,34	23,64	24,02	21
22	23,09					23,96				23,34	23,71	24,01	22
23	23,08					23,95				23,35	23,73	24,02	23
24	23,06					23,96				23,38	23,74	24,04	24
25	23,05					23,97				23,39	23,73	24,05	25
26	23,79					23,96				23,38	23,73	24,04	26
27	23,66					23,97				23,40	23,73	24,06	27
28	23,67					23,96				23,42	23,72	24,11	28
29	23,05					23,96				23,44	23,76	24,12	29
30	23,04					23,97				23,46	23,79	24,11	30
31	23,04									23,46		24,10	31
-MONTHLY SUMMARY-													
MEAN											23,62	23,95	MEAN
INST											23,44	23,76	INST
MAX											( 1 )	( 3 )	MAX
INST											23,79	24,13	INST
MIN											(30)	(31)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
PRINCE EDWARD COUNTY

OBSERVATION WELL 178  
TOWNSHIP OF MALLOWELL

MT 2 LOT 2

WELL REC #1 5300978  
UTM CO=ORD: Z=18 E318640 N4873090  
LAT & LONG: 43=59NORTH 77=15W E8T

REC METHOD: A35 RECORDER  
REC COMCD: JUL, 18 1966  
MEASURE PT: 1,5 FEET ABOVE GROUND SURFACE  
GND ELEV: 294 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: GRAVEL 10; LIMESTONE 100,

DIAMETER OF WELL: 6,25 INCHES  
LENGTH OF CASING: 10 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 100 FEET

PUMP RATE: 5 IGPM  
SPEC. CAP: N/A  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1											8,49	3,81	1
2					0,94						8,45	3,56	2
3					1,02						8,40	3,26	3
4					1,07						8,33	2,99	4
5					1,13						8,30	2,70	5
6					1,18						8,27	2,36	6
7					1,24					10,51	8,26	2,03	7
8					1,29					10,38	8,25	1,84	8
9					1,30					10,28	8,14	1,73	9
10					1,26					10,16	8,10	1,63	10
11					1,26					10,03	8,11	1,50	11
12										9,85	8,10	1,43	12
13										9,69	7,95	1,41	13
14						5,12				9,51	7,81	1,39	14
15						5,26				9,35	7,58	1,38	15
16						5,42				9,30	7,29	1,37	16
17						5,56				9,26	6,93	1,37	17
18										9,17	6,58	1,39	18
19										9,07	6,24	1,38	19
20	1,54									9,03	5,89	1,35	20
21	1,59									9,04	5,62	1,38	21
22	1,70									9,05	5,39	1,41	22
23	1,77									9,07	5,19	1,45	23
24	1,80									9,07	4,95	1,47	24
25										8,97	4,71	1,50	25
26										8,89	4,53	1,55	26
27										8,81	4,34	1,60	27
28										8,74	4,22	1,65	28
29										8,68	4,09	1,70	29
30										8,61	4,01	1,74	30
31										8,54		1,75	31
-MONTHLY SUMMARY-													
MEAN											6,75	1,84	MEAN
INST											3,93	1,35	INST
MAX											(30)	(20)	MAX
INST											6,51	3,93	INST
MIN											( 1 )	( 1 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
COUNTY OF RUSSELL

OBSERVATION WELL 506  
TOWNSHIP OF CLARENCE

WELL REC #1 5602221  
UTM CO-ORD: Z=84 E857005 N032220  
CONC. 6 LOT 181 LAT & LONG: 45=03NORTH 75=27WEST

REC METHOD: A35 RECORDER  
REC COMMCD: SEP, 17 1977  
MEASURE PT: 2.4 FEET ABOVE GROUND SURFACE  
GND ELEV: 230 FEET ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN SAND 10; GREY SAND WITH CLAY STREAKS (85-95) 100; SAND AND GRAVEL WITH BOULDERS 110; SOFT, FISSILE LAYERED SHALE 147.

DIAMETER OF WELL: 8 INCHES  
LENGTH OF CASING: 111.5 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 147 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SHALE  
QUALITY: FRESH

1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1												60.56	1
2												60.40	2
3												60.89	3
4												60.59	4
5												60.38	5
6												60.57	6
7												60.65	7
8												60.54	8
9												60.26	9
10												60.29	10
11											62.86	60.92	11
12											62.53	61.06	12
13											62.23	60.95	13
14											61.72	60.68	14
15											61.87	60.95	15
16											61.95	60.93	16
17											61.75	60.97	17
18												60.63	18
19											61.55	60.86	19
20											61.83	61.02	20
21											61.54	60.46	21
22											61.31	60.06	22
23											60.97	60.86	23
24											60.41	61.05	24
25											60.56		25
26											60.75		26
27											60.81		27
28											59.48		28
29											60.17		29
30											60.39		30
31													31
-MONTHLY SUMMARY-													MEAN
MEAN													
INST													INST
MAX													MAX
INST													INST
MIN													MIN

ENVIRONMENT ONTARIO  
TORONTO  
STORMONT COUNTY

OBSERVATION WELL 520  
TOWNSHIP OF FINCH

WELL REC #1 5601519  
UTM CO-ORD: Z=18 E496400 N5005200  
CONC. 6 LOT 23 LAT & LONG: 45=13NORTH 75=12WEST

REC METHOD: A71 RECORDER  
REC COMMCD: APR, 04 1976  
MEASURE PT: 1.0 FEET ABOVE GROUND SURFACE  
GND ELEV: 325 FEET ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: UNKNOWN 6.2.

DIAMETER OF WELL: 36 INCHES  
LENGTH OF CASING: 6.2 FEET  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 6.2 FEET

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: UNKNOWN  
QUALITY: FRESH

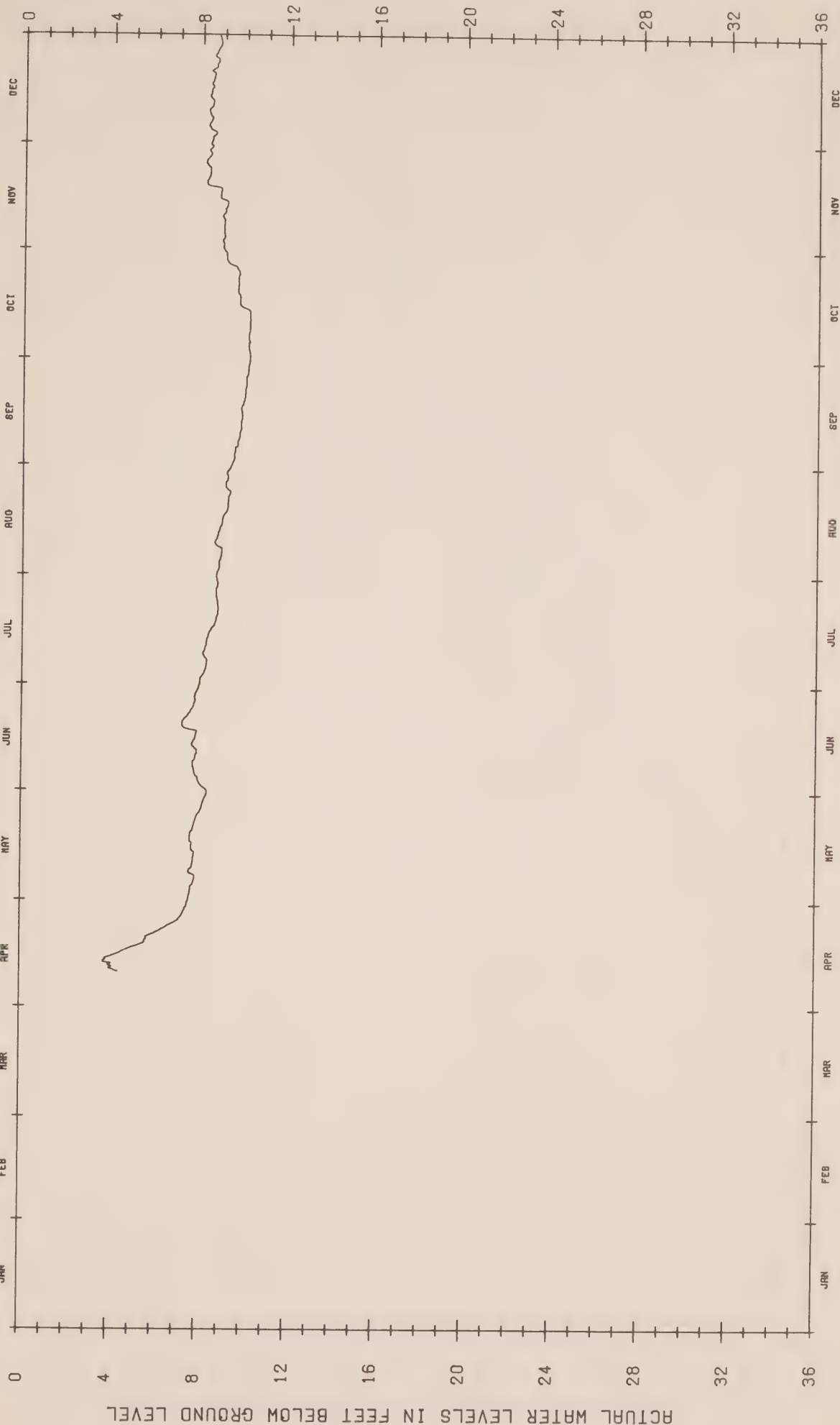
1978  
DAILY MEAN WATER LEVELS IN FEET BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					2.47	3.73	4.14	4.85					1
2					2.46	3.81	4.18	4.86					2
3					2.41	3.87	4.23	4.87					3
4					2.48	3.83	4.19	4.88					4
5					2.56	3.86	4.27	4.89					5
6					2.63	3.93	4.32	4.90					6
7					2.72	3.98	4.37	4.92					7
8					2.79	3.98	4.41	4.92					8
9					2.85	3.84	4.45	4.93					9
10					2.48	3.95	4.49	4.95					10
11					2.11	4.01	4.53	4.95					11
12					2.20	4.00	4.55	4.96					12
13					2.30	4.06	4.56	4.98					13
14					2.39	4.10	4.56	4.98					14
15					2.33	4.16	4.57	4.99					15
16					1.75	4.14	4.59	5.00					16
17					1.76	2.19	3.84	4.61	5.00				17
18					1.85	2.24	3.77	4.65	5.01				18
19					1.95	2.33	3.87	4.67	5.03				19
20					1.77	2.41	4.00	4.66					20
21					1.76	2.57	4.09	4.68					21
22					1.93	2.71	4.06	4.70					22
23					2.07	2.76	3.73	4.73					23
24					2.13	2.92	3.63	4.75					24
25					2.18	3.05	3.63	4.77					25
26					2.23	3.17	3.73	4.78					26
27					2.26	3.28	3.86	4.79					27
28					2.33	3.38	3.95	4.81					28
29					2.38	3.47	4.04	4.82					29
30					2.42	3.55	4.11	4.83					30
31						3.65		4.84					31
-MONTHLY SUMMARY-													MEAN
MEAN					2.69	3.92	4.56						
INST					2.09	3.62	4.12						INST
MAX					(10)	(25)	(1)						MAX
INST					3.69	4.21	4.84						INST
MIN					(31)	(16)	(31)						MIN

OBSERVATION WELL 522  
CHESTERVILLE

1978

ENVIRONMENT ONTARIO



OBSERVATION WELL 523  
TOWNSHIP OF EDWARDSBURGH

1978

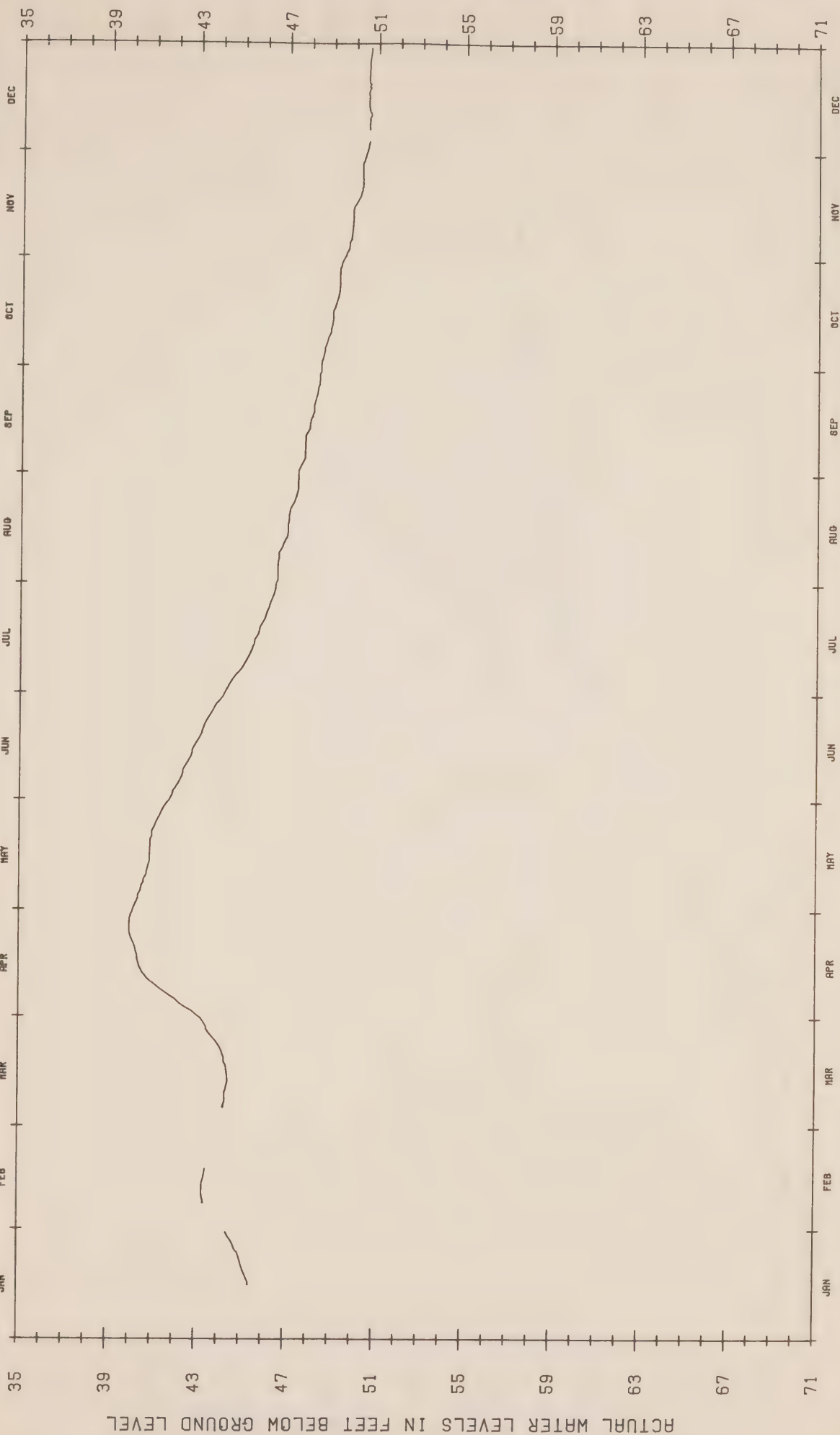
ENVIRONMENT ONTARIO



OBSERVATION WELL 400  
TOWNSHIP OF SIDNEY

1978

ENVIRONMENT ONTARIO



OBSERVATION WELL 122  
TOWNSHIP OF THURLOW

1978

ENVIRONMENT ONTARIO



OBSERVATION WELL 474  
TOWNSHIP OF ERNESTOWN

1978

ENVIRONMENT ONTARIO

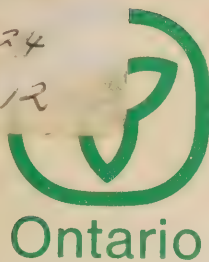






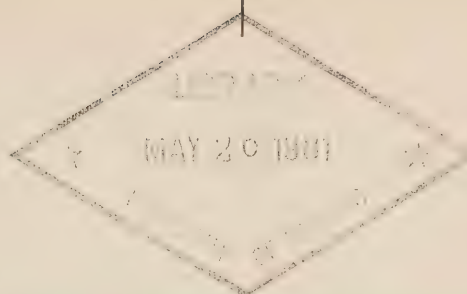


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Ministry  
of the  
Environment

Water Resources  
Bulletin 2-106  
Ground water series



Hon. Harry C. Parrott, D.D.S., *Minister*  
Graham W.S. Scott, Q.C., *Deputy Minister*

# DATA FOR OBSERVATION WELLS IN ONTARIO 1979



*WATER RESOURCES*  
*BULLETIN 2-106*  
*Ground water series*

**DATA FOR  
OBSERVATION WELLS  
IN ONTARIO  
1979**

MINISTRY OF THE ENVIRONMENT  
Water Resources Branch

TORONTO

ONTARIO



Permission to republish must be obtained in writing from:

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Water Resources Branch  
Ontario Ministry of the Environment  
135 St. Clair Avenue West  
Toronto, Ontario M4V 1P5

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Every possible effort is made to ensure the accuracy of the information contained in this publication. Verification of any suspect data may be obtained by contacting the Hydrology and Monitoring Section, Water Resources Branch, Toronto (965-6995).



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## INTRODUCTION

The ground-water regime that exists in any area is a result of the geology, topography, drainage and climate of that area. Water which enters the soil and percolates downward into the zone of saturation, where all the voids and openings of the materials in the ground are filled with water, is commonly referred to as ground water. The top of this zone of saturation or ground-water system is called the water table and in Ontario is often found a few feet below the ground surface.

Precipitation in the form of rain and snow is the main source of ground water. In general, approximately 40% of all precipitation becomes surface runoff or infiltrates into the ground. The rest is returned to the atmosphere by evaporation from the soil and open bodies of water, and by transpiration from vegetation. Precipitation averages over 76 centimetres (30 inches) annually in most parts of southern Ontario. Forty percent of this amounts to 212 million litres of precipitation on each square kilometre of land surface, or 174 million gallons on each square mile. Generally, less than one half of this volume of water will infiltrate and move through the ground-water system before being discharged into streams or lakes. Since infiltration rates are comparatively higher in sand and gravel areas than in clay areas, recharge to ground water will be correspondingly higher in sands and gravels.

Geologic formations that contain, transmit and yield ground water in usable quantities are termed aquifers. The degree to which a formation will store and yield water is dependent on its porosity and permeability. The porosity of a material is the proportion of openings or pore spaces to the volume of the material. The permeability gauges the rate at which a material will transmit water, and is dependent on the size and degree of interconnection of the pore spaces. Thus, a fine silty sand may have a higher porosity than a medium sand, but the finer material will have a lower permeability and yield smaller quantities of water to wells.

The amount of water that can be extracted from any area depends on the characteristics of the aquifers. Fine-grained overburden materials such as clays and silts are generally poor sources of water supply. Wells developed in such materials may not meet normal household requirements (450 litres/capita/day) if adequate storage is not provided. Coarse overburden materials such as sands and gravels have high permeabilities and are usually very good sources of ground water. Bedrock materials with adequate permeabilities resulting from fractures and solution cavities are also good sources of ground water.

Numerous factors such as the amount and intensity of rainfall, nature of the soil and vegetation, slope of land surface, and wind and temperature conditions also have a bearing on the amount of precipitation that becomes ground water. Before large withdrawals of ground water are planned in an area, a reliable estimate should be made of the average annual recharge to ground water. If this is done, the depletion of ground water stored in the aquifer can usually be avoided, and pumping installations can be designed for long, economical use.

## GROUND-WATER LEVELS

One of the keys to the availability of ground water in a particular area is the actual water level as measured in a well. Ground-water levels may be a reflection of static or equilibrium ground-water conditions, or they may reflect artificial drawdown conditions caused by local withdrawals. A continuous record of water-level fluctuations reveals numerous factors concerning both the ground-water regime and the characteristics of a particular water-bearing formation. The continuous record, or hydrograph, is useful in analyzing natural long-term fluctuations in ground-water levels which are related commonly to precipitation, evapotranspiration and the discharge of water to streams.

In addition to monitoring natural ground-water level fluctuations, observation wells are established to determine the effects of large ground-water withdrawals from aquifers, to show the effects of natural and artificial recharge on aquifers, to assist in drainage basin analyses by providing data to show recharge and discharge areas, and to show regional and local ground-water flow patterns. Together with data on pumping rates, pumping levels and other aquifer characteristics, the water levels in observation wells are utilized in the calculation of the potential yield of aquifers and high-capacity production wells.

The water level in an unpumped observation well is referred to as the static level. Fluctuations in this level result either from natural causes such as precipitation, evaporation and ground-water discharge, or from artificial causes such as pumping or artificial recharge. A static level that follows a downward trend may forecast serious problems resulting from overpumping, reduced recharge due to changed soil or vegetational cover, or a combination of these and other factors. A knowledge of ground-water levels is a prerequisite to good ground-water management. Problems of water shortages and complaints about well interference cannot be fully understood or resolved without reliable data on water-level fluctuations.

In Ontario, ground-water levels normally rise during the fall, early winter and spring snowmelt periods when transpiration and evaporation are minimal. Throughout the warm-weather growth period, the amount of water infiltrating is greatly decreased by evaporation and transpiration. As a result, recharge to ground water is minimized and ground-water levels generally decline during this period.

## OBSERVATION WELL NETWORK

The observation well network in the Province of Ontario dates back to 1946 when the initial step in establishing the network was taken by the Ontario Department of Mines. Some of the original wells are still being used for observation purposes. The observation wells within the network consist primarily of drilled and bored wells, the type used commonly for supply purposes, as well as the more specialized piezometer tubes, which are used specifically for water-level measurement purposes. Water levels are measured either manually by tape or by automatic water-level recorders. Abandoned wells are ideally suited for observation purposes because the water-level fluctuations will not be affected by withdrawals of ground water from the wells. Observation wells in some cases have been acquired over the years in co-operation with private individuals or municipalities. Other wells have been constructed by the Ministry of the Environment specifically for water management and interference studies, and for river basin studies. New wells are regularly being incorporated into the network as new studies or water management problems arise. Older wells are phased out as sufficient data are gathered to satisfy the original intended use, or if a particular property owner wishes to use the well for other purposes.

## HYDROGRAPHS

Included in this bulletin are yearly hydrographs for all observation wells that are equipped with water-level recorders. These hydrographs are computer-generated plots of water-level data that have been transcribed from the water level recorder charts using an X-Y co-ordinate digitization method. The hydrographs show actual water levels and give a complete picture of water-level fluctuations in any one observation well for the entire year.

## DATA COLLECTION AND DISTRIBUTION

The observation well levels contained in this bulletin were collected by the Technical Support sections of this Ministry's Regional offices, located respectively in London, Stoney Creek, Don Mills, Kingston, Sudbury and Thunder Bay. Data compilation and publication were carried out by the Hydrology and Monitoring Section of the Water Resources Branch, Ministry of the Environment, Toronto.

Enquiries concerning observation well data should be made to the following:

Hydrology and Monitoring Section  
Water Resources Branch  
135 St. Clair Avenue West  
Toronto, Ontario M4V 1P5  
(416 965-6995)

## OBSERVATION WELL DISTRIBUTION

As of December 31, 1979 the distribution of observation wells within each Region of the Ministry was as follows:

<u>Region</u>	
1) Southwest	20
2) West-Central	21
3) Central	32
4) Southeast	13
5) Northeast	3
6) Northwest	<u>1</u>
TOTAL	<u>90</u>

Observation wells in this publication are indexed in the following order.

- 1) MOE Region - All observation wells located on one particular region are grouped together.
- 2) County - The wells are indexed by county, then by township.
- 3) Numerically - Where there is more than one well in a particular township they are listed by their observation well numbers.

The Regional maps show the approximate locations of the recording wells and can be used as a guide to the distribution of the wells in each Region.

## OBSERVATION WELL INFORMATION

The data presented in this bulletin are for the first time, presented in metric (SI) units. For the purpose of converting from metric units back to imperial units, a table is shown on page 116.

For those who require a more specialized type of output than that found in this bulletin, the following output options are available:

- 1) water-level tabulations in either English or metric units in any of the following formats:
  - a) daily mean values
  - b) daily instantaneous maximum values
  - c) daily instantaneous minimum values
- 2) annual hydrographs plotted in either "distance below ground level" or "elevation above sea level" in either metric or English units according to any of the following formats:
  - a) daily mean values
  - b) daily instantaneous maximum values
  - c) daily instantaneous minimum values
  - d) all the above plotted on same hydrograph
  - e) actual water-level plots from digitized points.
- 3) card outputs of any one of the following:
  - a) daily mean values
  - b) daily instantaneous maximum values
  - c) daily instantaneous minimum values

## EXPLANATION OF WELL SPECIFICATIONS

OBSERVATION WELL NUMBER	The observation well number is assigned in numerical sequence at the time of the establishment of each observation well.
WELL REC. #	Each observation well is assigned a well record number to identify it within Ontario's water well record system. Each well record is assigned a unique number after it is filed with the Ministry.
CONC.	<p>The majority of townships in Ontario are surveyed into a regular pattern of concessions and lots; however, in some areas, geographical or historical factors may have created surveys of irregular shapes or patterns. This has resulted in many survey descriptions which are unique to certain areas.</p> <p>SEE:           Abbreviations Used to Describe Surveys and Tracts.</p>
UTM CO-ORD.	<p>(Universal Transverse Mercator Co-ordinates in Metres) This location system makes use of a square grid, 1000 x 1000 metres, which is superimposed on maps of the National Topographic System. The vertical grid lines are called Eastings and the horizontal lines Northings.</p> <p>The Easting represents the distance of a well in an easterly direction from a given north-south reference line. The Easting is the figure immediately following the letter E.</p> <p>The Northing represents the distance of a well in a northerly direction from a given east-west reference line. The Northing is the figure immediately following the letter N.</p> <p>The zone number which follows the letter Z is also a part of the UTM co-ordinates.</p>
LAT & LONG	Latitudes and Longitudes were determined from plotted locations on topographic maps and are given to the nearest minute.

REC. METHOD	<p>The recording method describes the manner in which the data were obtained, i.e., automatic water-level recorder or manual measurement.</p> <p>The following automatic recorders are currently in use by the Ministry of the Environment:</p> <ul style="list-style-type: none"> <li>- Stevens A-35 Recorder (Float actuated)</li> <li>- Stevens 'F' type recorder (Weekly/Monthly; Float actuated)</li> <li>- Brott Recorder (Nitrogen gas actuated)</li> </ul>
REC. COMMCD	Water-level recording was commenced on the date listed.
MEASURE PT.	The measuring point is the reference point, either above or below ground level, from which measurements are taken for each observation well. This figure is subtracted or added to the recorder chart measurements to obtain water levels in metres below ground surface.
WELL TYPE	This describes the method of construction of the well, i.e. drilled, bored or dug.
DIAMETER OF WELL	Casing diameters are shown to the nearest centimetre. Where several sizes of casings were used, the diameter of the lowermost casing only is given.
GND ELEV.	The ground elevation at the well site is given in metres above mean sea level. The majority of the elevations were determined from plotted locations on the National Topographic maps and are therefore related to the accuracy of the locations and the scale of the maps.
LENGTH OF CASING	The length of casing is the distance from ground level to the end of the cased section of the well.
LENGTH OF SCREEN	This is the length of well screen, sand point or slotted pipe section.
PUMP RATE	This is the rate (in litres/sec) at which the well was test pumped. Where no pumping test was performed, the letters N.A. appear.

SPEC. CAP.	The specific capacity is determined using information obtained during the pumping test. It is calculated by dividing the pumping rate by the drawdown, which is the difference between the static water level before the test and the maximum pumping level measured during the test. Where no pumping test was performed, the letters N.A. appear.
AQUIFER	This lists the geological material of the main water-bearing formation.
QUALITY	After the construction of each well, the driller evaluates the water for taste and smell. The kind of water is shown by the following: <div style="margin-left: 400px;">           Fresh            Salty            Sulphur            Mineral         </div>
WELL LOG	This is a verbatim description of the well log as it was listed on the well record by the driller. Each formation is followed by a number which indicates the distance to the bottom of the formation in metres. The last number generally indicates the total depth of the well.
MONTHLY SUMMARY	Monthly summaries are printed only for those months in which there are data for every day in that month.
MEAN	This figure represents the mean monthly water level, measured in metres below ground surface.
INST. MAX.	This is the instantaneous maximum water level, in metres below ground surface recorded for that month. The bracketed figure (or figures) immediately below the INST. MAX. value indicates the date(s) on which that value occurred. If the maximum value falls on more than 4 days it is indicated by an asterisk.
INST. MIN.	This is the instantaneous minimum water level, in meters below ground surface, recorded for that month. The bracketed figure (or figures) immediately below the INST. MIN. value indicates the date(s) on which that value occurred. If the minimum value falls on more than 4 days it is indicated by an asterisk.

# ABBREVIATIONS USED TO DESCRIBE SURVEYS AND TRACTS

<u>Abbreviations</u>	<u>Survey or Tract</u>	<u>Township</u>
<u>Southwestern Region</u>		
FC	Front Concession	South Colchester Twp.
NTR E	North Talbot Road East	Westminster Twp.
Range IN	Range 1 North (Longwood's Rd. North)	Caradoc Twp.
WB	West Boundary Concession	Blanshard Twp.
<u>West-Central Region</u>		
BRN	Bleams Road North	Wilmot Twp.
BRS	Bleams Road South	Wilmot Twp.
ERS	Egremont Road South	Wilmot Twp.
JT	Jones Tract	N. Cayuga Twp.
STR	South Talbot Road	Middleton Twp.
<u>Central Region</u>		
HSE	Hurontario Street East	Chinguacousy Twp.
HSW	Hurontario Street West	Chinguacousy Twp.
OS	Old Survey	King Twp.
1E	Conc. 1E (Yonge Street East)	East Gwillimbury Twp.
<u>Southeastern Region</u>		
MT	Military Tract	Hallowell Twp.

# WELL INDEX

## Southwestern Region

<u>County/ Reg. Municipality</u>	<u>Municipality</u>	<u>Observation Well #</u>	<u>Page Tabulation</u>	<u>Page Hydrograph</u>
Essex	Sandwich East Twp.	164	2	12
	Colchester South Twp.	170	2	13
	Colchester South Twp.	222	3	14
Huron	Morris Twp.	351	3	15
Kent	Bothwell	172	4	16
	Howard Twp.	371	4	-
Lambton	Alvinston	207	5	-
	Forest	56	5	17
	Enniskillen Twp.	549	6	-
Middlesex	Caradoc Twp.	206	6	18
	Caradoc Twp.	543	7	-
	Lobo Twp.	100	7	-
	Lobo Twp.	107	8	19
	Westminster Twp.	29	8	20
	Westminster Twp.	71	9	21
	Westminster Twp.	513	9	22
Oxford	Blenheim Twp.	542	10	-
	South Norwich Twp.	177	10	-
Perth	Blanshard Twp.	45	11	23
	Stratford	182	11	24

# WELL INDEX

## West-Central Region

<u>County/ Reg. Municipality</u>	<u>Municipality</u>	<u>Observation Well #</u>	<u>Page Tabulation</u>	<u>Page Hydrograph</u>
Brant	Brantford Twp.	124	26	37
Dufferin	Luther Twp.	46	26	-
Haldimand-Norfolk	Middleton Twp.	413	27	-
	North Cayuga Twp.	64	27	38
	South Walsingham Twp.	138	28	39
	South Walsingham Twp.	408	28	40
	Townsend Twp.	545	29	41
Niagara	North Grimsby Twp.	399	29	42
	Wainfleet Twp.	228	30	-
Waterloo	Elmira	33	30	43
	Kitchener	82	31	44
	Wilmot Twp.	396	31	-
	Wilmot Twp.	514	32	45
	Wilmot Twp.	524	32	46
Wellington	Erin Twp.	551	33	-
	Erin Twp.	432	33	47
	Guelph Twp.	532	34	48
	Puslinch Twp.	131	34	49
	Puslinch Twp.	213	35	50
	Puslinch Twp.	397	35	-
	Puslinch Twp.	544	36	-

## Central Region

Durham	Clarke Twp.	526	52	67
	Darlington Twp.	509	52	68
	Pickering Twp.	405	53	69
	Pickering Twp.	406	53	70
	Pickering Twp.	512	54	71
Halton	Burlington	531	54	72
	Esquesing Twp.	437	55	73
	Georgetown	377	55	74
	Trafalgar Twp.	374	56	75
Northumberland	Hope Twp.	530	56	76
Peel	Albion Twp.	253	57	77
	Caledon Twp.	214	57	78
	Chinguacousy Twp.	167	58	79
	Chinguacousy Twp.	168	58	80
Peterborough	Cavan Twp.	553	59	-

# WELL INDEX

## Central Region Cont'd

<u>County/ Reg. Municipality</u>	<u>Municipality</u>	<u>Observation Well #</u>	<u>Page Tabulation</u>	<u>Page Hydrograph</u>
Simcoe	Barrie	529	59	81
	Essa Twp.	7	60	82
	Vespra Twp.	552	60	-
	Wasaga Beach	373	61	83
Victoria	Mariposa Twp.	375	61	84
York	East Gwillimbury Twp.	528	62	85
	Georgina Twp.	527	62	86
	King Twp.	342	63	87
	King Twp.	343	63	88
	Markham Twp.	106	64	89
	Markham Twp.	305	64	90
	Markham Twp.	398	65	91
	North York	90	65	92
	Whitchurch Twp.	340	66	93

## Southeastern Region

Dundas	Chesterville	522	95	101
	Winchester Twp.	547	95	-
Grenville	Edwardsburgh Twp.	523	96	102
Hastings	Hungerford Twp.	209	96	103
	Sidney Twp.	400	97	104
	Sidney Twp.	554	97	105
	Thurlow Twp.	122	98	106
Ottawa-Carleton	Gloucester Twp.	555	98	-
	Nepean Twp.	541	99	107
Prescott	South Plantagenet Twp.	521	99	108
Prince Edward	Hallowell Twp.	178	100	109
Russell	Clarence Twp.	546	100	-

## Northeastern Region

Sudbury	Hanmer Twp.	550	111	112
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



## Northwestern Region

Thunder Bay	Paiponge Twp.	548	114	115
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OBSERVATION WELL DATA

- REGIONAL OFFICE**  
 LONDON  
 985 Adelaide St. S.  
 519-681-3600
- DISTRICT OFFICES**  
 Windsor  
 250 Windsor Ave  
 519-254-5129
- Sarnia  
 242A Indian Rd. S.  
 519-336-4030
- Owen Sound  
 1180 20th St. E.  
 519-371-2901
- SUB-OFFICE**  
 Chatham  
 435 Grand Ave W.  
 519-352-5107

LEGEND

-  Regional Office
-  District Office
-  Recording Observation Well
-  Number of Recording Wells in same location
-  Manually Measured Well
-  Number of Manually Measured Wells in same location



OBSERVATION WELL DISTRIBUTION

ENVIRONMENT ONTARIO  
TORONTO  
ESSEX COUNTY

OBSERVATION WELL 164

TOWNSHIP OF SANDWICH E.

CONC. 3

LOT 95

WELL REC #1 2102685  
UTM CO-ORDS: Z-17 E337280 N4680660  
LAT & LONG: 42-16NDPTH 82-58WEST

REC METHOD: A35 RECORDED  
REC COMMOD: DFC 6 1965  
MEASURE PT: 0.9 METRES ABOVE GROUND SURFACE  
GND ELFV: 189 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 0.31 CLAY 4.91 CLAY AND SMALL AMOUNT OF GRAVEL 431 CEMENTED GRAVEL 44.21 BROKEN ROCK 44.51 LIGHT BROWN LIMESTONE 58.6.

DIAMETER OF WELL: 58 CM  
LENGTH OF CASING: 44.8 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 58.6 METRES

PUMP RATE: 11.7 L/S  
SPEC. CAP: 0.046 L/S/M  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.50	9.54	9.54	9.59	9.54	9.59	9.56	9.69	9.86	9.73	9.68	9.68	1
2	9.53	9.56	9.60	9.54	9.54	9.58	9.59	9.67	9.74	9.71	9.70	9.74	2
3	9.68	9.53	9.56	9.61	9.48	9.55	9.64	9.69	9.72	9.74	9.69	9.75	3
4	9.61	9.51	9.50	9.56	9.52	9.55	9.65	9.69	9.75	9.73	9.71	9.72	4
5	9.65	9.55	9.53	9.54	9.51	9.56	9.68	9.69	9.77	9.73	9.75	9.65	5
6	9.60	9.59	9.53	9.61	9.49	9.57	9.70	9.68	9.77	9.69	9.73	9.66	6
7	9.56	9.58	9.52	9.59	9.50	9.59	9.71	9.70	9.75	9.68	9.73	9.66	7
8	9.56	9.57	9.55	9.51	9.50	9.63	9.68	9.78	9.76	9.69	9.67	9.76	8
9	9.57	9.58	9.56	9.46	9.52	9.61	9.64	9.80	9.77	9.71	9.64	9.77	9
10	9.62	9.59	9.54	9.53	9.52	9.56	9.62	9.71	9.76	9.71	9.63	9.77	10
11	9.65	9.59	9.52	9.54	9.53	9.62	9.63	9.72	9.79	9.70	9.68	9.75	11
12	9.61	9.57	9.56	9.50	9.53	9.64	9.64	9.70	9.79	9.67	9.72	9.78	12
13	9.52	9.60	9.64	9.45	9.54	9.66	9.62	9.75	9.74	9.69	9.70	9.82	13
14	9.48	9.56	9.57	9.43	9.53	9.64	9.62	9.86	9.71	9.73	9.71	9.85	14
15	9.59	9.55	9.66	9.45	9.57	9.64	9.61	9.90	9.74	9.72	9.68	9.82	15
16	9.60	9.59	9.69	9.49	9.61	9.63	9.66	9.83	9.76	9.74	9.70	9.79	16
17	9.54	9.66	9.66	9.52	9.62	9.58	9.68	9.83	9.77	9.75	9.66	9.86	17
18	9.59	9.61	9.66	9.56	9.58	9.62	9.70	9.73	9.77	9.76	9.65	9.85	18
19	9.57	9.64	9.68	9.57	9.55	9.65	9.70	9.72	9.77	9.71	9.67	9.82	19
20	9.48	9.58	9.66	9.55	9.53	9.63	9.71	9.73	9.76	9.69	9.70	9.87	20
21	9.41	9.53	9.66	9.53	9.55	9.62	9.77	9.74	9.75	9.68	9.70	9.87	21
22	9.49	9.56	9.59	9.56	9.58	9.61	9.78	9.74	9.75	9.68	9.66	9.83	22
23	9.53	9.53	9.61	9.61	9.56	9.64	9.81	9.75	9.77	9.66	9.64	9.80	23
24	9.44	9.56	9.49	9.54	9.56	9.65	9.77	9.76	9.78	9.68	9.68	9.76	24
25	9.47	9.54	9.51	9.51	9.53	9.68	9.72	9.74	9.77	9.72	9.66	9.75	25
26	9.51	9.53	9.59	9.46	9.49	9.69	9.68	9.73	9.80	9.74	9.58	9.81	26
27	9.48	9.57	9.65	9.48	9.41	9.68	9.71	9.75	9.79	9.71	9.65	9.86	27
28	9.45	9.56	9.62	9.49	9.59	9.71	9.72	9.82	9.76	9.65	9.64	9.90	28
29	9.50		9.59	9.50	9.63	9.67	9.70	9.73	9.75	9.71	9.66	9.88	29
30	9.53		9.59	9.51	9.61	9.60	9.69	9.75	9.72	9.73	9.67	9.85	30
31	9.52		9.59		9.60		9.67	9.84		9.71		9.85	31

-MONTHLY SUMMARY-

MEAN	9.54	9.57	9.59	9.53	9.55	9.62	9.68	9.75	9.76	9.71	9.68	9.79	MEAN
INST MAX	9.39 (21)	9.48 (4)	9.44 (25)	9.41 (13)	9.46 (3)	9.52 (4)	9.56 (1)	9.63 (2)	9.69 (14)	9.63 (23)	9.56 (26)	9.63 (5)	INST MAX
INST MIN	9.77 (5)	9.76 (17)	9.80 (19)	9.72 (23)	9.72 (17)	9.87 (28)	9.87 (22)	9.99 (15)	10.00 (1)	9.84 (17)	9.86 (7)	10.01 (20)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
ESSEX COUNTY

OBSERVATION WELL 170

TOWNSHIP OF S. COLCHESTER

GORE

LOT 14

WELL REC #1 2101061  
UTM CO-ORDS: Z-17 E342840 N4654930  
LAT & LONG: 42-02NORTH 82-54WEST

REC METHOD: A35 RECORDED  
REC COMMOD: MAR 5 1966  
MEASURE PT: 0.5 METRES ABOVE GROUND SURFACE  
GND ELFV: 192 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 0.31 YELLOW SAND 3.71 GREY SAND 9.21 QUICK SAND 33.61 SAND AND GRAVEL 35.11 COARSE GRAVEL 37.81 GREY LIMESTONE 39.3.

DIAMETER OF WELL: 15 CM  
LENGTH OF CASING: 37.8 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 39.3 METRES

PUMP RATE: 23 L/S  
SPEC. CAP: 1.38 L/S/M  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.21					2.36		3.26	3.10			3.24	1
2	3.20					2.37		2.95	3.10			3.25	2
3	3.20					2.36		2.88	3.12			3.25	3
4	3.20					2.37		2.84	3.11			3.24	4
5	3.19					2.38		2.83				3.23	5
6	3.19					2.37	2.61	2.84				3.23	6
7	3.18					2.37	2.62	2.85				3.23	7
8	3.18					2.39	2.62	2.84				3.25	8
9	3.19					2.39	2.69	3.02				3.25	9
10	3.19					2.38	2.62	3.03				3.25	10
11	3.19					2.40	2.62	3.03				3.25	11
12	3.19					2.42	2.62	3.04				3.26	12
13	3.18					2.70	2.78	3.04				3.26	13
14	3.19					2.90	2.63	3.05				3.26	14
15	3.20					3.18	2.63	3.05				3.26	15
16						2.53	2.66	3.05				3.26	16
17						2.51	2.98	3.06				3.26	17
18						2.90	2.91	3.06				3.26	18
19					2.45	3.15	2.99	3.07				3.26	19
20					2.45	2.93	2.94	3.07				3.26	20
21					2.45	2.56	2.93	3.08			3.26	3.27	21
22					2.47	2.61	2.74	3.11			3.26	3.27	22
23					2.48	2.57	3.32	3.09			3.26	3.27	23
24					2.47	2.57	3.20	3.08			3.26	3.26	24
25					2.45	2.59	2.90	3.08			3.26	3.21	25
26					2.35	2.82	3.03	3.08			3.24	3.19	26
27					2.33	3.00	3.00	3.08			3.25	3.18	27
28					2.34	2.76	2.78	3.08			3.24	3.17	28
29					2.35	2.61	2.79	3.09			3.24	3.16	29
30					2.36		3.05	3.09			3.24	3.15	30
31					2.36		2.99	3.09				3.13	31

-MONTHLY SUMMARY-

MEAN							3.03					3.23	MEAN
INST MAX								2.81 (1)				3.13 (31)	INST MAX
INST MIN								4.15 (1)				3.27 (23)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
ESSEX COUNTY

OBSERVATION WELL 222

TOWNSHIP OF S. COLCHESTER

FC

LOT 54

WELL REC #: 2100602  
UTM CO-ORD: 7-17 E443580 N4650550  
LAT & LONG: 41-59NORTH 82-53WEST

REC METHOD: A35 RECORDER  
REC COMMCD: NOV 26 1968  
MEASURE PT: 1.1 METRES ABOVE GROUND SURFACE  
GND ELEV: 193 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK SANDY LOAM 0.31 FINE YELLOW SAND 1.21 GREY FINE SAND 4.61 HARDPAN 71 CLAY 14.61 QUICKSAND 16.21 HARDPAN 221 SAND 23.81 HARDPAN 321 FINE SAND 33.91 SAND AND HARDPAN 351 FINE TO COARSE SAND 37.21 BROWN LIMESTONE 38.91 DARK LIMESTONE 38.7.

DIAMETER OF WELL: 15 CM  
LENGTH OF CASING: 37.5 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 38.7 METRES

PUMP RATE: 2 L/S  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.59	7.58	7.57	7.36	6.88	7.14	8.20	9.52	7.97	7.86	7.70	7.46	1
2	7.61	7.59	7.59	7.32	6.88	7.15	8.01	8.95	7.88	7.85	7.70	7.47	2
3	7.64	7.58	7.58	7.29	6.84	7.28	7.88	8.65	7.85	7.85	7.70	7.44	3
4	7.65	7.58	7.58	7.29	6.85	9.07	7.77	8.90	7.82	7.87	7.68	7.41	4
5	7.65	7.62	7.61	7.24	6.88	8.10	7.70	8.56	7.85	7.92	7.66	7.38	5
6	7.62	7.60	7.79	7.23	6.92	7.49	7.65	8.38	7.88	7.93	7.63	7.38	6
7	7.61	7.57	7.70	7.23	6.97	7.28	9.55	8.35	7.88	7.84	7.61	7.40	7
8	7.61	7.59	7.56	7.22	7.01	7.16	9.88	9.25	7.89	7.79	7.61	7.43	8
9	7.60	7.61	7.51	7.15	6.99	7.43	8.83	8.81	7.84	7.74	7.58	7.40	9
10	7.61	7.62	7.45	7.14	7.07	8.81	8.17	8.84	7.77	7.78	7.55	7.39	10
11	7.61	7.63	7.46	7.13	7.29	7.57	7.88	9.72	7.84	7.78	7.59	7.36	11
12	7.57	7.61	7.47	7.10	7.28	7.42	7.69	9.44	7.83	7.75	7.60	7.39	12
13	7.54	7.61	7.45	7.07	7.23	9.18	7.58	9.45	7.90	7.79	7.59	7.40	13
14	7.54	7.59	7.41	7.02	7.26	11.57	8.95	8.67	7.85	7.82	7.59	7.41	14
15	7.59	7.59	7.42	7.05	7.24	12.15	9.47	8.46	7.85	7.77	7.56	7.38	15
16	7.56	7.59	7.44	6.96	7.29	12.32	10.33	8.45	7.85	7.79	7.56	7.39	16
17	7.55	7.64	7.45	6.92	7.31	11.42	10.24	9.39	7.82	7.80	7.56	7.41	17
18	7.58	7.64	7.49	6.91	7.28	12.35	10.75	8.47	7.87	7.81	7.56	7.40	18
19	7.55	7.62	7.51	6.94	7.28	12.49	12.18	8.29	7.89	7.83	7.56	7.37	19
20	7.53	7.62	7.51	6.85	7.29	11.27	12.41	8.21	7.85	7.81	7.56	7.33	20
21	7.52	7.58	7.55	6.86	7.34	9.74	12.71	8.19	7.88	7.78	7.58	7.37	21
22	7.55	7.59	7.80	6.84	7.36	8.93	12.84	8.15	7.92	7.72	7.51	7.29	22
23	7.54	7.58	7.62	6.84	7.34	8.43	12.39	8.05	7.96	7.73	7.48	7.28	23
24	7.50	7.61	7.48	6.82	7.35	8.18	10.84	8.04	7.85	7.79	7.50	7.28	24
25	7.54	7.63	7.46	6.83	7.30	9.54	10.20	8.06	7.85	7.76	7.49	7.27	25
26	7.55	7.62	7.44	6.80	7.23	11.37	9.26	8.01	7.87	7.79	7.45	7.24	26
27	7.55	7.61	7.45	6.81	7.24	12.00	8.94	7.93	7.89	7.78	7.47	7.21	27
28	7.53	7.60	7.43	6.85	7.22	11.12	9.51	7.95	7.91	7.69	7.45	7.17	28
29	7.55		7.39	6.95	7.18	9.29	9.73	7.94	7.90	7.67	7.45	7.14	29
30	7.55		7.35	6.92	7.13	8.60	10.62	7.93	7.92	7.71	7.45	7.14	30
31	7.54		7.34		7.09		9.57	7.95		7.70		7.25	31

-MONTHLY SUMMARY-

MEAN	7.57	7.60	7.51	7.03	7.16	9.39	9.60	8.55	7.87	7.79	7.56	7.34	MEAN
INST	7.47	7.55	7.32	6.77	6.80	7.04	7.50	7.85	7.73	7.65	7.44	7.11	INST
MAX	(14)	(11)	(31)	(27)	(4)	(11)	(14)	(27)	(10)	(29)	(30)	(30)	MAX
INST	7.68	7.71	8.19	7.40	7.70	15.18	15.52	12.89	8.15	8.03	7.77	7.56	INST
MIN	(4)	(17)	(6)	(1)	(19)	(16)	(22)	(11)	(23)	(1)	(2)	(31)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
MURON COUNTY

OBSERVATION WELL 351

TOWNSHIP OF MORRIS

CONC 8

LOT 26

WELL REC #: 3002706  
UTM CO-ORD: Z-17 E476405 N4840820  
LAT & LONG: 43-44NORTH 81-18WEST

REC METHOD: A35 RECORDER  
REC COMMCD: JAN 1 1972  
MEASURE PT: 0.9 METRES ABOVE GROUND SURFACE  
GND ELEV: 348 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK MUCK 1.51 GREY QUICKSAND AND BOULDERS 12.51 GREY CLAY AND STONES 141 GREY CLAY, STONES AND HARDPAN 19.51 LIMESTONE 45.7.

DIAMETER OF WELL: 13 CM  
LENGTH OF CASING: 44.8 METRES  
LENGTH OF SCREEN: 0.9 METRES  
DEPTH OF WELL: 45.7 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.45	7.52			6.94	7.28	7.58	7.98	8.25	8.46	8.16	7.67	1
2	7.44	7.55			6.96	7.30	7.64	7.96	8.22	8.44	8.16	7.71	2
3	7.47	7.50			6.90	7.28	7.68	8.00	8.25	8.44	8.16	7.69	3
4	7.49	7.50			6.94	7.26	7.68	8.02	8.29	8.47	8.18	7.60	4
5	7.50	7.54			6.96	7.28	7.73	8.03	8.29	8.45	8.18	7.50	5
6	7.44	7.52			6.95	7.33	7.77	8.04	8.24	8.42	8.10	7.47	6
7	7.39	7.47			6.96	7.34	7.78	8.02	8.29	8.43	8.10	7.48	7
8	7.37	7.55			6.97	7.37	7.77	8.04	8.29	8.49	8.02	7.56	8
9	7.38	7.56			6.99	7.40	7.74	8.07	8.39	8.48	8.00	7.60	9
10	7.42	7.60			7.01	7.35	7.72	8.01	8.35	8.49	8.00	7.56	10
11	7.46	7.59		6.89	7.01	7.39	7.73	8.05	8.41	8.45	8.07	7.50	11
12	7.41	7.58		6.85	7.04	7.44	7.76	8.08	8.40	8.40	8.08	7.52	12
13	7.32	7.58		6.81	7.06	7.48	7.76	8.08	8.36	8.45	8.03	7.56	13
14	7.27	7.53		6.77	7.07	7.49	7.76	8.07	8.33	8.51	8.02	7.54	14
15	7.41	7.54		6.77	7.10	7.48	7.79	8.13	8.40	8.48	7.95	7.52	15
16	7.44			6.78	7.16	7.47	7.84	8.16	8.43	8.47	7.97	7.44	16
17	7.37			6.80	7.18	7.46	7.87	8.14	8.43	8.46	7.92	7.50	17
18	7.44			6.81	7.14	7.52	7.87	8.09	8.37	8.46	7.93	7.48	18
19	7.39			6.81	7.11	7.58	7.88	8.12	8.41	8.38	7.95	7.44	19
20	7.29			6.80	7.11	7.57	7.89	8.15	8.41	8.34	7.96	7.50	20
21	7.26			6.79	7.14	7.54	7.90	8.16	8.38	8.30	7.98	7.50	21
22	7.40			6.82	7.19	7.55	7.90	8.15	8.43	8.30	7.91	7.44	22
23	7.39			6.84	7.17	7.59	7.92	8.14	8.48	8.23	7.87	7.42	23
24	7.30			6.82	7.17	7.64	7.93	8.14	8.48	8.23	7.88	7.39	24
25	7.39			6.79	7.15	7.67	7.91	8.18	8.46	8.27	7.88	7.33	25
26	7.44			6.76	7.12	7.67	7.91	8.22	8.47	8.29	7.72	7.38	26
27	7.41			6.78	7.15	7.65	7.94	8.20	8.48	8.26	7.75	7.39	27
28	7.42			6.84	7.20	7.66	7.94	8.19	8.46	8.17	7.70	7.41	28
29	7.46			6.90	7.22	7.63	7.96	8.17	8.46	8.23	7.68	7.38	29
30	7.48			6.89	7.26	7.60	7.97	8.21	8.47	8.28	7.65	7.30	30
31	7.47				7.27		7.95	8.26		8.23		7.24	31

-MONTHLY SUMMARY-

MEAN	7.41				7.08	7.48	7.82	8.11	8.38	8.38	7.96	7.49	MEAN
INST	7.19				6.87	7.26	7.58	7.94	8.21	8.17	7.65	7.27	INST
MAX	(14)				(3)	(4)	(1)	(2)	(2)	(28)	(30)	(31)	MAX
INST	7.41				7.28	7.68	7.98	8.27	8.49	8.52	8.21	7.74	INST
MIN	(5)				(31)	(26)	(30)	(31)	(23)	(14)	(5)	(3)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
KENT COUNTY

OBSERVATION WELL 172  
TOWN OF ROTHWELL

CONC. =

LOT =

WELL REC #1 3300023  
UTM CO-ORD: Z-17 E428050 N4719550  
LAT & LONG: 42-38NORTH 81-53WEST

REC METHOD: A35 RECORDER  
REC COMMCD: JUN. 5 1966  
MEASURE PT: 0.7 METRES ABOVE GROUND SURFACE  
GND ELEV: 208 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN FINE SAND 3.11 BROWN FINE SILTY SAND 4.61 BROWN AND GREY FINE SAND WITH SOME FINE GRAVEL, COARSE SAND  
SFAMS 6.11 GREY SILTY FINE SAND 8.51 GREY COARSE SAND AND FINE TO MEDIUM GRAVEL 10.41 GREY SILTY CLAY TILL 10.7.

DIAMETER OF WELL: 15 CM  
LENGTH OF CASING: 9.2 METRES  
LENGTH OF SCREEN: 1.2 METRES  
DEPTH OF WELL: 10.4 METRES

PUMP RATE: 2.3 L/S  
SPEC. CAP: 0.053 L/S/M  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				1.12				1.75	1.92	2.02	1.97	1.38	1
2				1.10				1.75	1.92	2.02	1.98	1.40	2
3			1.51	1.07				1.74	1.93	2.01	1.98	1.40	3
4			1.46	1.09				1.74	1.94	2.00	1.98	1.40	4
5			1.42	1.07				1.76	1.94	1.99	1.99	1.40	5
6			1.42	0.97				1.76	1.95	1.98	1.99	1.40	6
7			1.42	1.02				1.76	1.95	1.97	1.99	1.40	7
8			1.42	1.04				1.76	1.96	1.97	1.99	1.39	8
9			1.42	0.86				1.77	1.97	1.96	2.00	1.39	9
10			1.40	0.84				1.77	1.97	1.95	1.98	1.40	10
11			1.39	0.75				1.78	1.98	1.95	1.97	1.41	11
12			1.39					1.79	1.99	1.94	1.95	1.41	12
13			1.39					1.80	1.99	1.93	1.94	1.41	13
14			1.38					1.81	1.96	1.92	1.93	1.41	14
15			1.38					1.82	1.93	1.91	1.92	1.41	15
16			1.38					1.83	1.93	1.90	1.92	1.42	16
17			1.38					1.83	1.93	1.90	1.91	1.44	17
18			1.37					1.84	1.93	1.90	1.90	1.45	18
19			1.35					1.85	1.93	1.90	1.89	1.45	19
20			1.33					1.85	1.94	1.90	1.89	1.46	20
21			1.32					1.86	1.95	1.90	1.89	1.47	21
22			1.31					1.87	1.97	1.91	1.87	1.43	22
23			1.30					1.87	1.98	1.91	1.82	1.35	23
24			1.28					1.87	1.99	1.91	1.68	1.25	24
25			1.22					1.88	1.99	1.91	1.57	0.87	25
26			1.21					1.88	2.00	1.92	1.47	0.82	26
27			1.22					1.89	2.01	1.93	1.39	0.89	27
28			1.22				1.73	1.90	2.01	1.93	1.38	0.94	28
29			1.22				1.73	1.90	2.01	1.95	1.37	0.96	29
30			1.15				1.73	1.91	2.02	1.96	1.38	0.98	30
31			1.12				1.74	1.91		1.96		0.99	31

-MONTHLY SUMMARY-

MEAN								1.82	1.96	1.94	1.83	1.30	MEAN
INST								1.73	1.92	1.90	1.37	0.76	INST
MAX								( 4)	( 1)	(20)	(29)	(25)	MAX
INST								1.92	2.02	2.02	2.00	1.47	INST
MIN								(31)	(30)	( 1)	( 9)	(21)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
KENT COUNTY

OBSERVATION WELL 371  
TOWNSHIP OF HOWARD

CONC 1

LOT 15

WELL REC #1 3306508  
UTM CO-ORD: Z-17 E420620 N4710270  
LAT & LONG: 42-33NORTH 81-58WEST

REC METHOD: A35 RECORDER  
REC COMMCD: JUN 26 1972  
MEASURE PT: 0.2 METRES ABOVE GROUND SURFACE  
GND ELEV: 184 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 0.31 SUFT BROWN CLAY 3.41 BROWN SAND AND LOOSE GRAVEL 12.21 LOOSE BROWN GRAVEL AND HARD BROWN SHALE 22.3.

DIAMETER OF WELL: 15 CM  
LENGTH OF CASING: 15.9 METRES  
LENGTH OF SCREEN: 4.6 METRES  
DEPTH OF WELL: 20.5 METRES

PUMP RATE: 11.8 L/S  
SPEC. CAP: 0.90 L/S/M  
AQUIFER: GRAVEL  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1												6.19	1
2												6.42	2
3												6.58	3
4												6.69	4
5												6.76	5
6												6.81	6
7												6.85	7
8												6.90	8
9											7.40		9
10											7.40	6.90	10
11											7.40	6.91	11
12											7.39	6.95	12
13											7.39	6.98	13
14											7.38	7.00	14
15											7.38	7.00	15
16											7.38	7.02	16
17											7.37	7.04	17
18											7.37	7.04	18
19											7.38	7.06	19
20											7.38	7.08	20
21											7.38	7.09	21
22											7.38	7.09	22
23											7.35	7.04	23
24											7.27	6.97	24
25											6.70	6.30	25
26											5.87	4.86	26
27											5.32	4.27	27
28											5.25	3.95	28
29											5.43	4.28	29
30											5.89	5.32	30
31												5.85	31

-MONTHLY SUMMARY-

MEAN												6.46	MEAN
INST												3.88	INST
MAX												(24)	MAX
INST												7.03	INST
MIN												(22)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
LAMBTON COUNTY

OBSERVATION WELL 207  
VILLAGE OF ALVINSTON

CONC -      LOT -

WELL REC #1: 3400030  
UTM CO-ORD1: 7-17 E429160 N4740965  
LAT & LONG1: 42-49N08W R1-53&E5T

REC METHOD1: A35 RECORDER  
REC COMMD1: JUN 26 1967  
MEASURE PT1: 0.9 METRES ABOVE GROUND SURFACE  
GND ELEV1: 220 METRES ABOVE SEA LEVEL  
WELL TYPE1: DRILLED  
WELL LOG1: SAND 5.51 BLUE CLAY 22.9% SHALE GRAVEL 231 BLACK SHALE 23.8.

DIAMETER OF WELL1: 18 CM  
LENGTH OF CASING1: 23.8 METRES  
LENGTH OF SCREEN1: NONE  
DEPTH OF WELL1: 23.8 METRES

PUMP RATE1: 2 L/S  
SPEC. CAP1: 0.06 L/S/M  
AQUIFER 1: SHALE  
QUALITY 1: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1			9.84	9.80								10.13	1
2			9.88	9.89									2
3			9.86	9.75									3
4			9.78	9.71									4
5			9.82	9.82									5
6			9.81	9.84									6
7			9.79	9.68									7
8			9.79	9.71									8
9			9.80	9.84							10.13		9
10			9.77	9.84							10.12		10
11			9.82	9.77							10.23		11
12			9.87	9.71							10.29		12
13			9.79	9.69							10.25		13
14			9.75	9.73							10.23		14
15			9.89	9.78							10.16		15
16			9.90	9.90							10.18		16
17			9.85								10.12		17
18			9.87								10.16		18
19			9.86								10.22		19
20		9.99	9.88								10.23		20
21		9.87	9.80								10.25		21
22		9.91	9.67								10.17		22
23		9.88	9.64								10.13		23
24		9.90	9.75								10.19		24
25		9.96	9.87								10.20		25
26		9.86	9.96								10.03		26
27		9.88	9.86								10.14		27
28		9.90	9.82								10.09		28
29			9.81								10.08		29
30			9.87								10.08		30
31			9.83										31
-MONTHLY SUMMARY-													
MEAN			9.82										MEAN
INST MAX			9.61 (22)										INST MAX
INST MIN			9.98 (26)										INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
LAMBTON COUNTY

OBSERVATION WELL 056  
TOWN OF FOPEST

CONC -      LOT -

WELL REC #1: 3404047  
UTM CO-ORD1: Z-17 E418540 N4771920  
LAT & LONG1: 43-06N08W 82-00WEST

REC METHOD1: 'F' TYPE RECORDER  
REC COMMD1: MAY 8 1950  
MEASURE PT1: 0.5 METRES ABOVE GROUND SURFACE  
GND ELEV1: 214 METRES ABOVE SEA LEVEL  
WELL TYPE1: DRILLED  
WELL LOG1: CLAY 33.6.

DIAMETER OF WELL1: 15 CM  
LENGTH OF CASING1: 33.6 METRES  
LENGTH OF SCREEN1: NONE  
DEPTH OF WELL1: 33.6 METRES

PUMP RATE1: N.A.  
SPEC. CAP1: N.A.  
AQUIFER 1: CLAY  
QUALITY 1: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	30.02		30.05	30.00	30.19	30.23	30.41		30.52		30.62		1
2			30.14	29.89	30.20	30.25	30.49		30.44		30.69		2
3			30.06	30.07	30.08	30.16	30.55		30.49		30.68		3
4			29.94	29.98	30.25	30.18	30.51	30.46	30.59		30.74		4
5			30.01	29.90	30.21	30.15	30.60	30.44	30.59		30.73		5
6			29.98		30.12	30.15	30.64	30.44	30.54	30.59	30.66		6
7			29.98		30.13	30.19	30.62	30.41	30.66	30.57	30.68		7
8			30.01		30.17	30.24	30.61	30.40	30.74	30.64			8
9			30.01		30.22	30.29	30.54	30.44	30.70	30.65			9
10			29.95		30.23	30.21	30.43	30.36	30.66	30.66			10
11			29.94		30.23	30.20	30.42	30.41	30.74	30.61			11
12			30.03		30.26	30.28	30.43	30.45	30.72	30.52			12
13			29.93		30.23	30.36	30.40	30.38	30.67	30.62			13
14			29.92		30.26	30.40	30.38	30.39	30.63	30.71			14
15			30.12		30.29	30.42	30.43	30.48	30.70	30.68			15
16			30.13	29.94	30.34	30.42	30.46	30.53	30.73	30.69			16
17			30.14	30.09	30.32	30.40	30.52	30.50	30.74				17
18			30.07	30.15		30.46	30.48	30.40	30.68				18
19			30.04	30.15		30.55	30.49	30.41	30.72	30.68			19
20			30.02	30.15		30.58	30.54	30.47	30.69	30.64			20
21			30.04	30.10		30.49	30.54	30.46	30.68	30.66			21
22			30.02	30.14		30.49	30.50	30.47		30.64			22
23			29.88	30.17		30.51	30.52	30.38		30.63			23
24		30.10	29.75	30.13		30.55	30.58	30.39		30.66			24
25		30.09	29.81	30.04		30.63	30.50	30.47		30.73			25
26		29.99	29.95	29.97	30.02	30.74	30.46	30.48		30.78			26
27	29.82	30.05	30.10	30.09	30.01	30.76	30.51	30.43		30.69			27
28	29.77	30.08	30.02	30.07	30.06	30.68		30.44	30.76	30.58			28
29	29.87		29.97	30.10	30.09	30.57		30.42		30.70			29
30	29.92		29.95	30.07	30.13	30.47		30.46		30.75			30
31	29.86		29.99		30.18			30.56		30.73			31
-MONTHLY SUMMARY-													
MEAN			30.00			30.40							MEAN
INST MAX			29.71 (24)			30.07 (6)							INST MAX
INST MIN			30.19 (2)			30.79 (27)							INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
LAMBTON COUNTY

OBSERVATION WELL 549  
TOWNSHIP OF ENNISVILLE

CON. 7

LOT 15

WELL REC #1 3406612  
UTM CO-ORD: Z-17 E407640 N4742665  
LAT & LONG: 42-50 NORTH 82-10 WEST

REC METHOD: A-71 RECORDER  
REC COMMCD: AUG. 28 1979  
MEASURE PT: 0.30 METRES ABOVE GROUND SURFACE  
GND ELEV: 201 METRES ABOVE SEA LEVEL  
WELL TYPE: HOPED  
WELL LOG: BROWN, BLUE CLAY 5.5.

DIAMETER OF WELL: 61 CM  
LENGTH OF CASING: 5.5 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 5.5 METRES

PUMP RATE: N.A. L/S  
SPEC. CAP: N.A. L/S/H  
AQUIFER: BLUF CLAY  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1												0.39	1
2												0.45	2
3												0.55	3
4												0.51	4
5												0.40	5
6												0.40	6
7												0.39	7
8												0.45	8
9											1.02	0.53	9
10											0.74	0.56	10
11											0.80	0.59	11
12											0.84	0.58	12
13											0.86	0.60	13
14											0.88	0.63	14
15											0.81	0.64	15
16											0.73	0.66	16
17											0.76	0.68	17
18											0.80	0.69	18
19											0.84	0.71	19
20											0.87	0.73	20
21											0.88	0.73	21
22											0.61	0.56	22
23											0.54	0.54	23
24											0.43	0.52	24
25											0.45	0.39	25
26											0.25	0.29	26
27											0.39	0.42	27
28											0.36	0.38	28
29											0.36	0.39	29
30											0.37	0.47	30
31												0.45	31

-MONTHLY SUMMARY-

MEAN												0.53	MEAN
INST												0.23	INST
MAX												(26)	MAX
INST												0.74	INST
MIN												(21)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 206  
TOWNSHIP OF CARADOC

RANGE 1 N LOT 15

WELL REC #1 4106020  
UTM CO-ORD: Z-17 E460740 N4747920  
LAT & LONG: 42-53 NORTH 81-29 WEST

REC METHOD: F-1 TYPE RECORDER  
REC COMMCD: JUN 27 1967  
MEASURE PT: 1.0 METRES ABOVE GROUND SURFACE  
GND ELEV: 238 METRES ABOVE SEA LEVEL  
WELL TYPE: DRUG  
WELL LOG: OVERBURDEN 6.7.

DIAMETER OF WELL: 102 CM  
LENGTH OF CASING: 6.7 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 6.7 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: OVERBURDEN  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.40		1.61	0.66		0.89	1.96	1.74	1.87	1.88	1.66	1.16	1
2	1.30		1.60	0.56		0.93	1.87	1.73	1.87	1.88	1.65	1.16	2
3	1.27		1.59		1.00	0.97	1.73	1.72	1.87	1.87	1.65	1.17	3
4	1.27		1.53		0.97	1.02	1.65	1.72	1.88	1.87	1.64	1.17	4
5	1.29		1.32		1.00	1.05	1.61	1.71		1.86	1.64	1.17	5
6	1.31		1.27		1.03	1.08	1.59	1.72		1.85	1.63	1.16	6
7	1.34		1.25		1.04	1.11		1.73		1.84	1.62	1.15	7
8	1.37		1.25		1.06	1.14		1.74		1.84	1.62	1.14	8
9	1.40		1.25		1.08	1.21		1.74		1.83	1.61	1.13	9
10	1.42		1.26		1.10	1.22	1.59	1.75		1.82	1.60	1.13	10
11	1.44		1.25		1.07	1.22	1.57	1.75	1.90	1.81	1.59	1.14	11
12	1.46		1.25		1.08	1.24	1.56	1.76	1.92	1.79	1.58	1.14	12
13	1.48		1.26		1.06	1.26	1.56	1.76	1.94	1.78	1.57	1.13	13
14	1.49		1.26		1.06	1.28	1.57	1.77	1.92	1.76	1.57	1.14	14
15	1.50		1.26		1.03	1.30	1.58	1.78	1.89	1.74	1.56	1.15	15
16	1.51		1.26		1.00	1.33	1.59	1.78	1.86	1.72	1.56	1.17	16
17	1.52		1.26		1.02	1.35	1.61	1.79	1.85	1.71	1.56	1.18	17
18	1.53		1.25		1.05	1.38	1.62	1.80	1.84	1.70	1.55	1.19	18
19	1.54		1.23		1.09	1.40	1.63	1.80	1.83	1.69	1.55	1.21	19
20	1.54	1.69	1.21		1.11	1.42	1.65	1.81	1.82	1.68	1.55	1.22	20
21	1.55	1.69	1.19		1.13	1.43	1.66	1.81	1.82	1.67	1.55	1.23	21
22	1.56	1.69	1.18		1.15	1.44	1.67	1.83	1.82	1.67	1.54	1.21	22
23	1.56	1.69	1.17		1.17	1.44	1.68	1.83	1.82	1.66	1.49	1.11	23
24	1.57	1.68	1.14		1.19	1.44	1.69	1.84	1.83	1.66	1.44	0.94	24
25	1.57	1.67	1.03		1.15	1.45	1.70	1.84	1.83	1.66	1.39	0.49	25
26	1.57	1.65	0.97		0.94	1.47	1.70	1.84	1.84	1.66	1.31	0.43	26
27	1.58	1.63	0.97		0.94	1.48	1.71	1.85	1.85	1.66	1.24	0.54	27
28	1.58	1.63	0.98		0.86	1.48	1.71	1.86	1.86	1.67	1.19	0.62	28
29	1.58		0.98		0.87	1.49	1.72	1.86	1.87	1.67	1.16	0.67	29
30	1.58		0.81		0.78	1.76	1.73	1.87	1.88	1.67	1.15	0.72	30
31	1.58		0.64		0.82		1.73	1.87		1.66		0.76	31

-MONTHLY SUMMARY-

MEAN	1.47		1.21			1.29		1.79		1.75	1.51	1.03	MEAN
INST	1.26		0.62			0.85		1.71		1.66	1.15	0.33	INST
MAX	( 3 )		(31)			( 1 )		( 6 )		(26)	(30)	(25)	MAX
INST	1.58		1.62			1.99		1.88		1.88	1.66	1.24	INST
MIN	(30)		( 1 )			(30)		(31)		( 1 )	( 1 )	(22)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 94.1  
TOWNSHIP OF CARDNO

CONC. 3  
LOT 22

WELL REC #: 4106709  
UTM CO-ORD: Z-17 E46114R N475234S  
LAT & LONG: 42-56 NORTH 81-28 WEST

REC METHOD: A-71 RECORDER  
REC COMMCD: MAY 15 1975  
MEASURE PT: METRES ABOVE GROUND SURFACE  
GND ELEV: 252 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN CLAY & SILT 4.3% BROWN CLAY 5.5% SILTY BLUE CLAY 15.5% FINE, DIRTY GRAVEL 20.4% MEDIUM GRAVEL 28.7%

DIAFTER OF WELL: 15 CM  
LENGTH OF CASING: 27.8 METRES  
LENGTH OF SCREEN: 0.9 METRES  
DEPTH OF WELL: 28.7 METRES

PUMP RATE: 10 L/S  
SPEC. CAP: 0.28 L/S/M  
AQUIFER: MEDIUM GRAVEL  
QUALITY: FRESH

1979													
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.50	9.53	9.55	9.35									1
2	9.48	9.52	9.57	9.33									2
3	9.48	9.52	9.59										3
4	9.49	9.54	9.58										4
5	9.51	9.54	9.59										5
6	9.51	9.52	9.59										6
7	9.49	9.53	9.54										7
8	9.47	9.55	9.51										8
9	9.46	9.53	9.51										9
10	9.48	9.52	9.48										10
11	9.49	9.57	9.46										11
12	9.50	9.56	9.46										12
13	9.50	9.56	9.44										13
14	9.47	9.57	9.43										14
15	9.44	9.54	9.42										15
16	9.47	9.56	9.43										16
17	9.52	9.54	9.37										17
18	9.50	9.54	9.42										18
19	9.46	9.59	9.44										19
20	9.51	9.61	9.41										20
21	9.50	9.56	9.40										21
22	9.45	9.55	9.39										22
23	9.44	9.57	9.38										23
24	9.50	9.54	9.37										24
25	9.53	9.59	9.38										25
26	9.47	9.57	9.36										26
27	9.48	9.58	9.33										27
28	9.53	9.59	9.33										28
29	9.52		9.36										29
30	9.50		9.38										30
31	9.52		9.38										31
-MONTHLY SUMMARY-													
MEAN	9.49	9.55	9.45										MEAN
INST MAX	9.41 (16)	9.51 (10)	9.32 (28)										INST MAX
INST MIN	9.54 (24)	9.62 (20)	9.62 ( 6)										INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 100  
TOWNSHIP OF LOBO

CONC. 2  
LOT 5

WELL REC #: 4106413  
UTM CO-ORD: Z-17 E464840 N4755200  
LAT & LONG: 81-27NORTH 42-55WEST

REC METHOD: 'F' TYPE RECORDER  
REC COMMCD: MAY 16 1963  
MEASURE PT: 0.07 METRES ABOVE GROUND SURFACE  
GND ELEV: 245 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: BROWN SAND AND GRAVEL 6.7.

DIAFTER OF WELL: 91 CM  
LENGTH OF CASING: 6.7 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 6.7 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1979													
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					3.87			4.24		4.53			1
2					3.87			4.22		4.53			2
3					3.87			4.22		4.54			3
4					3.88			4.23		4.54			4
5					3.88			4.24		4.54			5
6				4.17	3.89			4.25	4.41	4.54			6
7				4.16	3.89		4.10	4.26	4.42	4.55			7
8				4.14			4.11		4.43				8
9				4.12			4.11		4.43				9
10				4.11			4.11		4.44				10
11				4.10			4.11		4.45				11
12				4.09			4.12		4.45				12
13				4.07			4.12		4.46				13
14				3.96			4.13		4.44				14
15				3.79			4.14		4.44				15
16				3.77			4.14		4.44				16
17				3.79			4.15		4.45				17
18				3.81			4.16		4.46				18
19				3.82			4.17		4.46				19
20				3.83			4.17		4.47				20
21				3.84			4.18		4.48				21
22				3.85			4.19		4.48				22
23				3.85			4.19		4.49				23
24				3.85			4.20		4.50				24
25				3.85			4.21		4.50				25
26				3.85			4.21		4.51				26
27				3.86			4.22		4.52				27
28				3.86			4.23		4.52				28
29				3.87			4.23		4.52				29
30				3.87			4.24		4.53				30
31							4.24						31
-MONTHLY SUMMARY-													
MEAN													MEAN
INST													INST
MAX													MAX
INST													INST
MIN													MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 107  
TOWNSHIP OF LORO

CONC. 2

LOT 6

WELL REC #1 4100889  
UTM CO-ORD: Z-17 E465180 N4755140  
LAT & LONG: 42-57NORTH R1-26WEST

REC METHOD: A35 RECORDER  
REC COMMD: JUN 19 1963  
MEASURE PT: 1.0 METRES ABOVE GROUND SURFACE  
GND ELEV: 246 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: SANDY CLAY AND GRAVEL 2.1% SAND GRAVEL AND SMALL BOULDERS 7.6% SANDY BLUE CLAY 14.6% BLUE CLAY AND GRAVEL 25.9%  
HARD SANDY CLAY AND GRAVEL 48.8.

DIAMETER OF WELL: 20 CM  
LNTH OF CASING: 36.6 METRES  
LENGTH OF SCREEN: 3.0 METRES  
DEPTH OF WELL: 39.6 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: GRAVEL  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.19	9.24	9.23	9.10	8.86	8.85	9.03	9.25	9.38				1
2	9.17	9.26	9.25	9.05	8.90	8.86	8.96	9.24	9.38				2
3	9.20	9.25	9.24	9.09	8.90	8.84	8.93	9.20	9.32				3
4	9.26	9.21	9.16	9.11	8.87	8.83	8.95	9.21					4
5	9.28	9.22	9.14	9.07	8.87	8.86	9.00	9.21	9.32				5
6	9.25	9.25	9.16	9.07	8.85	8.88	9.05	9.20					6
7	9.20	9.25	9.17	9.08	8.81	8.89	9.09	9.21					7
8	9.17	9.26	9.18	9.09	8.81	8.92	9.10	9.22					8
9	9.19	9.30	9.20	9.02	8.85	8.95	9.10	9.29					9
10	9.22	9.30	9.18	8.98	8.89	8.94	9.09	9.35					10
11	9.24	9.26	9.15	9.04	8.89	8.89	9.06	9.40					11
12	9.24	9.23	9.16	9.06	8.89	8.90	9.07	9.47					12
13	9.23	9.26	9.17	9.04	8.90	8.94	9.10	9.47					13
14	9.15	9.27	9.17	9.00	8.85	8.97	9.12	9.42					14
15	9.18	9.29	9.19	8.95	8.85	9.00	9.13	9.40					15
16	9.20	9.31	9.20	8.90	8.86	9.02	9.11	9.40					16
17	9.20	9.36	9.19	8.92	8.88	9.02	9.16	9.42					17
18	9.20	9.33	9.13	8.97	8.89	9.05	9.22	9.42					18
19	9.24	9.29	9.11	8.98	8.90	9.05	9.23	9.33					19
20	9.19	9.26	9.12	8.97	8.87	9.12	9.25	9.29					20
21	9.11	9.24	9.15	8.96	8.84	9.14	9.27	9.32					21
22	9.11	9.26	9.15	8.94	8.82	9.09	9.27	9.38					22
23	9.20	9.27	9.12	8.94	8.85	9.07	9.26	9.47					23
24	9.21	9.25	9.08	9.00	8.87	9.04	9.28	9.49					24
25	9.19	9.22	9.03	9.02	8.94	9.01	9.31	9.45					25
26	9.22	9.18	9.04	8.98	8.89	9.06	9.30	9.37					26
27	9.23	9.20	9.10	8.94	8.84	9.15	9.27	9.30					27
28	9.16	9.22	9.12	8.93	8.82	9.16	9.29	9.28					28
29	9.17		9.12	8.90	8.82	9.12	9.28	9.32					29
30	9.23		9.12	8.87	8.83	9.08	9.23	9.35					30
31	9.22		9.11		8.84		9.22	9.37					31

-MONTHLY SUMMARY-

MEAN	9.20	9.26	9.15	9.00	8.86	8.99	9.15	9.34					MEAN
INST	9.08	9.16	9.02	8.85	8.80	8.83	8.92	9.19					INST
MAX	(22)	(26)	(25)	(30)	(8)	(4)	(4)	(8)					MAX
INST	9.29	9.37	9.27	9.13	8.95	9.17	9.32	9.50					INST
MIN	(6)	(17)	(3)	(4)	(25)	(27)	(25)	(23)					MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 029  
TOWNSHIP OF WESTMINSTER

GORE

LOT 48

WELL REC #1 4103521  
UTM CO-ORD: Z-17 E471660 N4753600  
LAT & LONG: 42-56NORTH 82-21WEST

REC METHOD: A35 RECORDER  
REC COMMD: JAN 24 1952  
MEASURE PT: 1.1 METRES ABOVE GROUND SURFACE  
GND ELEV: 246 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 1.2% GRAVEL AND FINE SAND 9.2% GRAVEL AND FINE SAND 18.6% BLUE CLAY AND GRAVEL 22.6% GRAVEL AND CLAY 27.4% BLUE CLAY 29.3% BEDROCK 29.3.

DIAMETER OF WELL: 20 CM  
LENGTH OF CASING: 29.3 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 29.3 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SAND & GRAVEL  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					1.05	1.57	1.87	2.05	2.20	2.32	2.40	1.71	1
2					1.08	1.58	1.87	2.05	2.21	2.33	2.40	1.70	2
3					1.11	1.59	1.87	2.05	2.21	2.33	2.40		3
4					1.14	1.60	1.87	2.05	2.21	2.33	2.40		4
5					1.17	1.60	1.87	2.05	2.22	2.33	2.40		5
6				1.30	1.20	1.61	1.88	2.06	2.22	2.33	2.40		6
7				1.29	1.22	1.63	1.88	2.06	2.23	2.34	2.40		7
8				1.28	1.24	1.64	1.89	2.08	2.23	2.34	2.40		8
9				1.28	1.27	1.65	1.90	2.09	2.24	2.34	2.40		9
10				1.28	1.29	1.66	1.91	2.09	2.25	2.35	2.40		10
11				1.28	1.31	1.67	1.92	2.09	2.25	2.35	2.40		11
12				1.27	1.34	1.68	1.93	2.10	2.26	2.35	2.40		12
13				1.27	1.35	1.70	1.94	2.11	2.27	2.35	2.40		13
14				1.15	1.37	1.71	1.94	2.12	2.27	2.35	2.40		14
15				0.87	1.38	1.72	1.95	2.12	2.27	2.35	2.40		15
16				0.72	1.40	1.73	1.95	2.13	2.27	2.35	2.40		16
17				0.67	1.42	1.74	1.96	2.13	2.27	2.35	2.39		17
18				0.67	1.43	1.75	1.97	2.14	2.27	2.35	2.39		18
19				0.67	1.45		1.98	2.14	2.27	2.35	2.39		19
20				0.69	1.47		1.99	2.15	2.27	2.35	2.39		20
21				0.71	1.49		2.00	2.16	2.27	2.35	2.40		21
22				0.74	1.50		2.00	2.17	2.27	2.35	2.40		22
23				0.78	1.51		2.01	2.17	2.28	2.36	2.40		23
24				0.82	1.53	1.83	2.02	2.17	2.29	2.36	2.39		24
25				0.86	1.54	1.84	2.02	2.18	2.29	2.37	2.32		25
26				0.89	1.55	1.85	2.03	2.18	2.30	2.38	2.18		26
27				0.92	1.55	1.86	2.04	2.18	2.30	2.38	2.04		27
28				0.95	1.55	1.87	2.04	2.18	2.31	2.39	1.91		28
29				0.98	1.55	1.87	2.05	2.19	2.31	2.39	1.81		29
30				1.01		1.87	2.05	2.19	2.31	2.39	1.74		30
31					1.56		2.05	2.19		2.40			31

-MONTHLY SUMMARY-

MEAN					1.37		1.96	2.12	2.26	2.35	2.32		MEAN
INST					1.03		1.87	2.05	2.20	2.32	1.72		INST
MAX					(1)		(1)	(2)	(1)	(1)	(30)		MAX
INST					1.57		2.05	2.20	2.32	2.40	2.40		INST
MIN					(31)		(31)	(31)	(30)	(31)	(2)		MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 071

TOWNSHIP OF WESTMINSTER

NTR E

LOT 62

WELL REC #1 4105766  
UTM CO-ORD: Z-17 E478438 N4747840  
LAT & LONG: 42-53NORTH 81-16WEST

REC METHOD: A35 RECORDER  
REC COMMCD: OCT 16 1958  
MEASURE PT: 0.0 METRES ABOVE GROUND SURFACE  
GND ELEV: 263 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: CLAY 13.7.

DIAMETER OF WELL: 91 CM  
LENGTH OF CASING: 13.7 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 13.7 METRES

PUMP RATE: N/A.  
SPEC. CAP: N/A.  
AQUIFER: CLAY  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				1.63	1.41	1.76	2.11	2.35	2.44	2.49	2.45	1.39	1
2				1.60	1.44	1.76	2.12	2.35	2.44	2.49	2.43	1.41	2
3				1.55	1.47	1.77	2.13	2.35	2.44	2.49	2.43	1.43	3
4				1.54	1.50	1.78	2.14	2.36	2.45	2.49	2.43	1.45	4
5				1.53	1.52	1.80	2.15	2.36	2.45	2.49	2.43	1.47	5
6				1.41	1.54	1.81	2.16	2.37	2.45	2.49	2.42	1.49	6
7				1.38	1.57	1.83	2.17	2.37	2.45	2.49	2.42	1.50	7
8				1.37	1.59	1.84	2.18	2.37	2.45	2.49	2.41	1.50	8
9				1.37	1.62	1.86	2.18	2.37	2.45	2.49	2.40	1.49	9
10				1.35	1.64	1.87	2.19	2.38	2.46	2.49	2.38	1.49	10
11				1.29	1.67	1.89	2.20	2.38	2.46	2.49	2.37	1.49	11
12				1.23	1.69	1.90	2.21	2.38	2.46	2.49	2.37	1.50	12
13				1.12	1.71	1.91	2.22	2.39	2.46	2.49	2.36	1.50	13
14				0.79	1.73	1.92	2.22	2.39	2.47	2.49	2.36	1.51	14
15				0.77	1.75	1.94	2.23	2.39	2.47	2.49	2.35	1.52	15
16				0.81	1.77	1.95	2.24	2.40	2.47	2.49	2.35	1.54	16
17				0.85	1.79	1.96	2.24	2.40	2.47	2.49	2.34	1.55	17
18				0.89	1.81	1.98	2.25	2.40	2.47	2.49	2.34	1.56	18
19				0.95	1.82	1.99	2.26	2.40	2.47	2.49	2.33	1.58	19
20				1.00	1.83	2.00	2.27	2.41	2.47	2.49	2.33	1.59	20
21				1.05	1.83	2.01	2.28	2.41	2.47	2.49	2.32	1.61	21
22				1.09	1.85	2.02	2.29	2.41	2.47	2.49	2.32	1.59	22
23				1.14	1.86	2.03	2.29	2.42	2.48	2.48	1.88	1.49	23
24				1.18	1.88	2.04	2.30	2.42	2.48	2.48	1.68	1.28	24
25				1.22	1.89	2.06	2.31	2.42	2.48	2.48	1.61	1.03	25
26			1.85	1.26	1.88	2.07	2.32	2.43	2.48	2.47		1.00	26
27			1.84	1.29	1.88	2.08	2.32	2.43	2.48	2.47		1.01	27
28			1.84	1.32	1.88	2.09	2.33	2.43	2.48	2.47	1.38	1.04	28
29			1.85	1.35	1.86	2.09	2.34	2.43	2.48	2.46	1.37	1.06	29
30			1.77	1.38	1.80	2.10	2.34	2.43	2.48	2.46	1.37	1.09	30
31			1.66		1.77		2.35	2.44		2.46		1.12	31
-MONTHLY SUMMARY-													
MEAN				1.22	1.72	1.94	2.24	2.39	2.46	2.48		1.40	MEAN
INST MAX				0.76 (15)	1.40 (1)	1.76 (1)	2.11 (1)	2.35 (1)	2.44 (1)	2.46 (31)		0.99 (26)	INST MAX
INST MIN				1.64 (1)	1.89 (25)	2.11 (30)	2.35 (31)	2.44 (31)	2.49 (30)	2.50 (12)		1.61 (21)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
MIDDLESEX COUNTY

OBSERVATION WELL 513

TOWNSHIP OF WESTMINSTER

CONC. 5

LOT 22

WELL REC #1 4103738  
UTM CO-ORD: Z-17 E479040 N4748890  
LAT & LONG: 42-54NORTH 81-15WEST

REC METHOD: A35 RECORDER  
REC COMMCD: AUG 9 1959  
MEASURE PT: 1.6 METRES ABOVE GROUND SURFACE  
GND ELEV: 258 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 0.3% FINE SAND 2.4% BLUE CLAY 14.6% CLAY AND GRAVEL 24.4% BLUE CLAY AND GRAVEL 28.7% CLAY AND GRAVEL 30.2% GRAVEL AND MIXED SAND 31.4% CLAY AND GRAVEL 31.7% GRAVEL AND MIXED SAND 36% FINE SAND 38.1% MIXED SAND AND SILT. CLAY 39.3% GRAVEL AND FINE SAND 42.3% GRAVEL 43.9.

DIAMETER OF WELL: 30 CM  
LENGTH OF CASING: 31.1 METRES  
LENGTH OF SCREEN: 3 METRES  
DEPTH OF WELL: 34.2 METRES

PUMP RATE: 53.2 L/S  
SPEC. CAP: 0.41 L/S/M  
AQUIFER: GRAVEL  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					9.39	9.32	9.26	9.28	9.27	9.25	9.25	9.20	1
2					9.38	9.32	9.28	9.26	9.25	9.23	9.25	9.24	2
3					9.33	9.30	9.30	9.28	9.25	9.23	9.26	9.22	3
4					9.36	9.29	9.29	9.28	9.26	9.23	9.28	9.18	4
5				9.51	9.36	9.28	9.31	9.29	9.26	9.23	9.28	9.12	5
6				9.53	9.34	9.29	9.32	9.29	9.23	9.21	9.26	9.14	6
7				9.58	9.34	9.29	9.33	9.28	9.25	9.22	9.26	9.13	7
8				9.53	9.34	9.30	9.33	9.28	9.28	9.25	9.23	9.20	8
9				9.49	9.34	9.31	9.31	9.29	9.28	9.24	9.21	9.19	9
10				9.54	9.34	9.27	9.29	9.25	9.27	9.25	9.23	9.18	10
11				9.55	9.33	9.30	9.29	9.27	9.28	9.23	9.27	9.18	11
12				9.52	9.33	9.31	9.29	9.28	9.29	9.21	9.28	9.18	12
13				9.49	9.33	9.32	9.29	9.28	9.27	9.24	9.26	9.20	13
14				9.47	9.34	9.32	9.28	9.27	9.24	9.28	9.26	9.20	14
15				9.47	9.34	9.32	9.28	9.29	9.27	9.27	9.24	9.18	15
16				9.48	9.36	9.31	9.29	9.30	9.29	9.27	9.26	9.16	16
17				9.48	9.36	9.30	9.30	9.30	9.29	9.27	9.24	9.20	17
18				9.48	9.34	9.32	9.30	9.26	9.26	9.28	9.23	9.18	18
19				9.47	9.32	9.34	9.31	9.26	9.27	9.26	9.25	9.16	19
20				9.46	9.31	9.33	9.31	9.28	9.27	9.24	9.26	9.19	20
21				9.44	9.32	9.31	9.31	9.28	9.25	9.25	9.26	9.18	21
22				9.44	9.34	9.30	9.31	9.27	9.26	9.24	9.24	9.15	22
23				9.43	9.32	9.30	9.31	9.26	9.28	9.21	9.23	9.14	23
24				9.41	9.31	9.32	9.31	9.25	9.29	9.22	9.25	9.11	24
25				9.38	9.29	9.33	9.31	9.26	9.28	9.25	9.24	9.11	25
26				9.35	9.27	9.33	9.29	9.28	9.28	9.26	9.17	9.15	26
27				9.35	9.29	9.32	9.29	9.27	9.28	9.25	9.22	9.16	27
28				9.38	9.30	9.32	9.29	9.26	9.26	9.22	9.19	9.16	28
29				9.39	9.31	9.29	9.29	9.25	9.26	9.26	9.20	9.14	29
30				9.37	9.31	9.27	9.29	9.25	9.26	9.28	9.20	9.11	30
31					9.32		9.28	9.27		9.27		9.10	31
-MONTHLY SUMMARY-													
MEAN					9.33	9.31	9.30	9.27	9.27	9.25	9.24	9.17	MEAN
INST MAX					9.27 (26)	9.25 (10)	9.26 (1)	9.24 (10)	9.23 (14)	9.20 (12)	9.15 (26)	9.09 (25)	INST MAX
INST MIN					9.40 (1)	9.34 (20)	9.33 (7)	9.30 (17)	9.30 (24)	9.28 (30)	9.29 (4)	9.25 (2)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
OXFORD COUNTY

OBSERVATION WELL 542  
TOWNSHIP OF HLENHEIM

CONC. 13 LOT 18

WELL REC #1 4704983  
UTM CO-ORD: Z-17 E530500 N4794630  
LAT & LONG: 43-18NORTH 80-37WEST

REC METHOD: A35 RECORDER  
REC COMM: OCT. 26 1978

MEASURE PT: 0.43 METRES ABOVE GROUND SURFACE  
GND ELEV: 307 METRES ABOVE SEA LEVEL

WELL TYPE: DRILLED  
WELL LOG: STONY TILL 5.8% SILTY CLAY 7.6% STONY TILL 9.8% FINE SAND 13.7% COARSE SAND 16.2% MUDDY COARSE SAND 16.8% VERY COARSE SAND 17.1.

DIAMETER OF WELL: 18 CM  
LENGTH OF CASING: 14.8 METRES  
LENGTH OF SCREEN: 1.5 METRES  
DEPTH OF WELL: 16.3 METRES

PUMP RATE: 8 L/S  
SPEC. CAP: N.A.  
AQUIFER: COARSE SAND  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.42	1.94	1.76	1.23									1
2	0.99	2.00	1.79	1.31									2
3	1.02	2.01	1.72	1.32									3
4	1.20	1.94	1.53	1.40									4
5	1.41		1.13	1.47									5
6			0.74	1.43									6
7			0.84	1.53									7
8			0.94	1.55									8
9			0.95	1.58									9
10			0.98	1.63									10
11			1.02										11
12			1.19										12
13			1.29										13
14			1.12										14
15			0.72										15
16			0.88										16
17			1.19										17
18			1.29										18
19			1.27										19
20	1.95		1.27										20
21	1.90		1.28										21
22	1.98		1.26										22
23	2.09		1.26										23
24	2.11		1.23										24
25	2.04		1.18										25
26	1.94		1.30										26
27	1.92		1.47										27
28	1.90	1.79	1.54										28
29	1.90		1.56										29
30	1.91		1.30										30
31	1.90		1.06										31

-MONTHLY SUMMARY-

MEAN		1.23											MEAN
INST			0.65										INST
MAX			(15)										MAX
INST			1.90										INST
MIN			( 2)										MIN

ENVIRONMENT ONTARIO  
TORONTO  
OXFORD COUNTY

OBSERVATION WELL 177  
TOWNSHIP OF SOUTH NORWICH

CONC. 9 LOT 27

WELL REC #1 4702076  
UTM CO-ORD: Z-17 E424100 N4750750  
LAT & LONG: 42-55NORTH 80-42WEST

REC METHOD: A-35 RECORDER  
REC COMM: MAY 26 1966

MEASURE PT: 0.9 METRES ABOVE GROUND SURFACE  
GND ELEV: 252 METRES ABOVE SEA LEVEL

WELL TYPE: DRILLED  
WELL LOG: BLACK LOAM 0.3% FINE BROWN SAND 3.1% FINE QUICKSAND 11.6% GREY CLAY 15.9% GRAVEL LAYER 16% CLAY WITH GRAVEL 18.3% GRAVEL 18.5% SAND 19.8% QUICKSAND 23.2% CLAY AND SILT 26.8% HARD CLAY WITH STONES 34.2% LIMESTONE BEDROCK 37.4.

DIAMETER OF WELL: 18 CM  
LENGTH OF CASING: 33.6 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 37.4 METRES

PUMP RATE: 193 L/S  
SPEC. CAP: 0.40 L/S/M  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	12.17	11.79	11.59										1
2	12.16	11.79											2
3	12.16	11.80											3
4	12.16	11.80											4
5	12.16	11.80											5
6	12.16	11.80											6
7	12.13	11.80											7
8	12.09	11.80											8
9	12.09	11.80											9
10	12.09	11.75											10
11	12.09	11.76											11
12	12.09	11.75											12
13	12.02	11.76											13
14	11.88	11.74											14
15	11.88	11.72											15
16	11.89	11.73											16
17	11.90	11.72											17
18	11.90	11.72											18
19	11.91	11.71											19
20	11.90	11.70											20
21	11.80	11.69											21
22	11.78	11.68											22
23	11.78	11.66											23
24	11.79	11.57											24
25	11.78	11.57											25
26	11.78	11.57											26
27	11.78	11.58											27
28	11.78	11.59											28
29	11.78												29
30	11.78												30
31	11.78												31

-MONTHLY SUMMARY-

MEAN	11.95	11.72											MEAN
INST	11.78	11.57											INST
MAX	(25)	(25)											MAX
INST	12.20	11.81											INST
MIN	( 1)	( 7)											MIN

ENVIRONMENT ONTARIO  
TORONTO  
PERTH COUNTY

OBSERVATION WELL 045

TOWNSHIP OF BLANSHARD

WB

LOT 11

WELL REC #1 5001877  
UTM CO-ORD: 7-17 E474275 N4795450  
LAT & LONG: 43-19NORTH 81-18WEST

REC METHOD: A35 RECORDER  
REC COMMCD: MAY 26 1970  
MEASURE PT: 0.3 METRES ABOVE GROUND SURFACE  
GND ELEV: 358 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN SAND AND CLAY FILL 0.6% SAND, GRAVEL 1.8% COARSE GRAVEL AND SMALL STONES 10.7% COARSE SAND, YELLOWISH CLAY 11.

DIAMETER OF WELL: 10 CM  
LENGTH OF CASING: 9.8 METRES  
LENGTH OF SCREEN: 1.2 METRES  
DEPTH OF WELL: 11 METRES

PUMP RATE: 1.1 L/S  
SPEC. CAP: N.A.  
AQUIFER: GRAVEL  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					1.02	1.50	1.88	2.37		3.14	2.84	1.79	1
2					1.04	1.52	1.81	2.37		3.14	2.80	1.85	2
3					1.05	1.54	1.80	2.37		3.14	2.76	1.88	3
4					1.07	1.55	1.83	2.37		3.13	2.75	1.89	4
5					1.09	1.56	1.86	2.39		3.14	2.75	1.89	5
6					1.11	1.57	1.89	2.41		3.14	2.76	1.81	6
7					1.13	1.58	1.93	2.44		3.14	2.76	1.78	7
8					1.15	1.60	1.96	2.47		3.13	2.76	1.65	8
9					1.17	1.61	1.98	2.49		3.09	2.76	1.63	9
10					1.19	1.62	1.99	2.50		3.06	2.73	1.68	10
11				0.90	1.21	1.63	2.01	2.52		3.05	2.68	1.69	11
12				0.89	1.22	1.64	2.02	2.55		3.04	2.68	1.60	12
13				0.81	1.23	1.66	2.04	2.57		3.00	2.68	1.55	13
14				0.59	1.24	1.67	2.06	2.58		2.90	2.68	1.59	14
15				0.71	1.24	1.68	2.09	2.60		2.84	2.68	1.64	15
16				0.76	1.25	1.70	2.12	2.62		2.83	2.69	1.66	16
17				0.79	1.27	1.72	2.14	2.64		2.83	2.69	1.67	17
18				0.81	1.28	1.73	2.17	2.65	3.00	2.83	2.69	1.68	18
19				0.82	1.30	1.75	2.20	2.66	3.02	2.84	2.70	1.68	19
20				0.83	1.32	1.77	2.23	2.67	3.02	2.85	2.71	1.68	20
21				0.85	1.34	1.78	2.26	2.69	3.03	2.85	2.71	1.69	21
22				0.87	1.35	1.80	2.30	2.71	3.05	2.85	2.69	1.66	22
23				0.89	1.38	1.82	2.33	2.72	3.05	2.86	2.30	1.46	23
24				0.90	1.40	1.84	2.29	2.73	3.06	2.86	1.65	1.21	24
25				0.92	1.40	1.87	2.23	2.74	3.07	2.87	1.61	0.97	25
26				0.94	1.40	1.89	2.22	2.75	3.07	2.85	1.55	1.04	26
27				0.93	1.40	1.90	2.22	2.76	3.09	2.84	1.50	1.10	27
28				0.95	1.41	1.90	2.25		3.10	2.84	1.59	1.13	28
29				0.98	1.44	1.90	2.28		3.11	2.84	1.64	1.14	29
30				1.00	1.46	1.90	2.32		3.12	2.84	1.73	1.15	30
31					1.48		2.35			2.84		1.17	31
-MONTHLY SUMMARY-													
MEAN					1.26	1.71	2.10			2.95	2.45	1.55	MEAN
INST					1.01	1.49	1.80			2.83	1.44	0.94	INST
MAX					( 1 )	( 1 )	( 3 )			(17)	(26)	(25)	MAX
INST					1.49	1.90	2.36			3.14	2.85	1.90	INST
MIN					(31)	(29)	(31)			( 1 )	( 1 )	( 5 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
PERTH COUNTY

OBSERVATION WELL 182

TOWN OF STRATFORD

CONC. =

LOT =

WELL REC #1 5001349  
UTM CO-ORD: Z-17 E503000 N4802260  
LAT & LONG: 43-23NORTH 80-58WEST

REC METHOD: A35 RECORDER  
REC COMMCD: SEP 15 1966  
MEASURE PT: 0.5 METRES ABOVE GROUND SURFACE  
GND ELEV: 301 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 0.9% SAND AND GRAVEL 1.8% YELLOW CLAY 4.6% YELLOW CLAY AND BOULDERS 7.6% GREY HARDPAN 31.4% CEMENTED GRAVEL 35.1% COARSE GRAVEL 36.6% CEMENTED GRAVEL 38.7% BROWN LIMESTONE 105.2% BROWN LIMESTONE 126.6% SOFT WHITE LIMESTONE 132.6% GREY SHALE 134.2.

DIAMETER OF WELL: 36 CM  
LENGTH OF CASING: 38.4 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 134.2 METRES

PUMP RATE: 40 L/S  
SPEC. CAP: 0.25 L/S/M  
AQUIFER: LIMESTONE  
QUALITY: FRESH

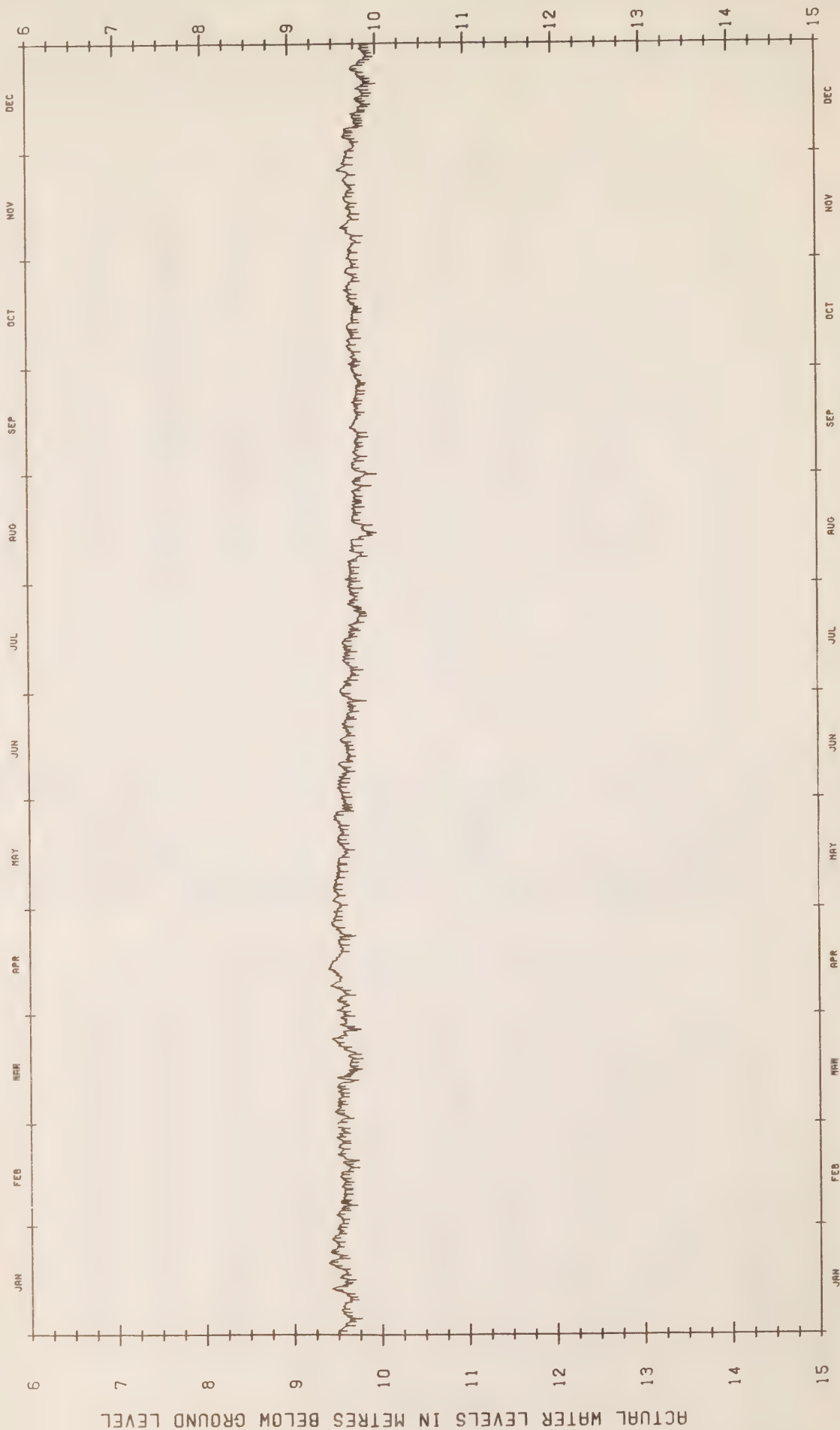
1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	17.58	18.88	19.89	16.88	18.54	20.04	17.73	18.85	19.86	19.02	20.18	19.41	1
2	17.76	19.06	19.72	18.11	18.55	19.55	17.65	18.90	18.58	19.72	20.34	19.71	2
3	18.25	18.56	19.47	18.86	18.77	18.57	18.90	18.71	18.32	19.85	20.05	19.74	3
4	18.46	17.11	19.34	19.05	18.90	19.75	19.78	18.53	19.32	20.01	20.12	19.88	4
5	18.54	18.16	19.51	19.09	18.94	19.64	19.92	17.65	20.19	20.30	20.46	19.50	5
6	18.35	18.78	19.71	18.98	18.80	20.01	20.28	17.44	20.51	20.31	20.04	19.55	6
7	16.67	18.82	19.83	18.25	19.09	20.34	19.97	18.65	20.61	19.95	19.96	19.60	7
8	17.57	18.79	19.96	18.61	19.43	20.36	19.72	18.94	19.83	19.78	19.94	19.65	8
9	18.34	19.11	20.01	18.75	19.65	19.64	20.19	18.99	19.12	19.81	19.95	18.23	9
10	18.54	19.00	19.82	18.97	19.89	19.42	19.90	19.08	19.08	20.23	19.76	18.64	10
11	18.95	18.94	19.45		19.99	19.90	20.24	19.02	19.55	20.33	19.96	19.23	11
12	18.97	18.70	19.53	19.15	19.50	20.20	20.67	17.89	20.08	20.29	19.91	19.42	12
13	18.38	18.85	19.68	18.88	18.32	20.69	20.82	18.34	20.37	20.33	20.07	19.56	13
14	16.96	19.10	19.79	18.16	19.14	20.89	20.20	19.05	20.21	20.10	19.88	19.61	14
15	17.89	19.18	19.99	16.77	19.07	21.06	19.49	19.27	19.69	20.25	19.83	19.57	15
16	18.57	19.34	19.95	17.45	19.59	20.87	20.41	19.30	19.77	20.46	19.89	19.48	16
17	18.75	19.39	19.78	18.35	20.41	19.98	20.74	19.48	20.02	20.60	20.02	19.54	17
18	18.90	19.12	18.77	18.67	20.09	20.62	20.87	19.18	20.23	20.61	19.87	19.40	18
19	18.94	19.17	19.25	17.75	19.04	21.09	21.10	19.31	20.21	20.69	19.88	19.57	19
20	18.23	19.48	19.47	19.15	17.50	21.46	21.61	19.30	20.49	20.57	20.11	19.61	20
21	18.34	19.53	19.57	18.59	17.57	21.50	21.15	19.42	20.31	20.32	20.26	19.61	21
22	18.56	19.73	19.59	18.57	18.93	21.33	20.69	20.12	20.29	20.46	20.20	19.15	22
23	18.88	19.74	19.52	18.56	19.80	20.53	20.85	20.22	20.02	20.45	20.22	19.11	23
24	19.05	19.65	19.19	18.84	19.74	20.00	21.10	20.08	20.15	20.75	20.12	18.90	24
25	19.06	19.43	17.36	18.96	19.74	20.63	20.58	20.05	20.28	21.50	19.88	18.68	25
26	19.24	19.42	18.49	19.02	18.49	21.52	19.95	19.81	20.57	21.05	19.60	17.82	26
27	19.05	19.65	19.11	19.05	18.80	21.73	19.79	20.28	20.70	20.57	19.41	17.94	27
28	18.70	19.82	19.35	18.57	19.47	21.03	19.56	21.16	20.48	19.69	19.41	16.75	28
29	18.83		19.40	17.59	19.70	20.72	18.71	20.44	20.40	20.09	19.65	17.35	29
30	19.04		19.33	18.16	19.58	18.71	19.09	20.31	18.63	20.38	19.57	18.33	30
31	19.14		18.96		19.75		19.07	20.97		20.91		16.59	31
-MONTHLY SUMMARY-													
MEAN	18.47	19.09	19.44		19.19	20.39	20.02	19.31	19.93	20.30	19.95	19.00	MEAN
INST	15.93	16.41	16.77		16.43	17.26	17.22	16.71	17.52	17.89	18.29	15.94	INST
MAX	( 8 )	( 5 )	(26)		(21)	( 3 )	( 2 )	( 6 )	( 3 )	( 1 )	(27)	(31)	MAX
INST	19.51	20.04	20.18		21.06	21.86	21.82	21.61	21.53	21.75	21.26	20.25	INST
MIN	(23)	(28)	( 9 )		(17)	(22)	(20)	(31)	(27)	(25)	( 5 )	(17)	MIN

OBSERVATION WELL 164  
TOWNSHIP OF SANDWICH E.

1979

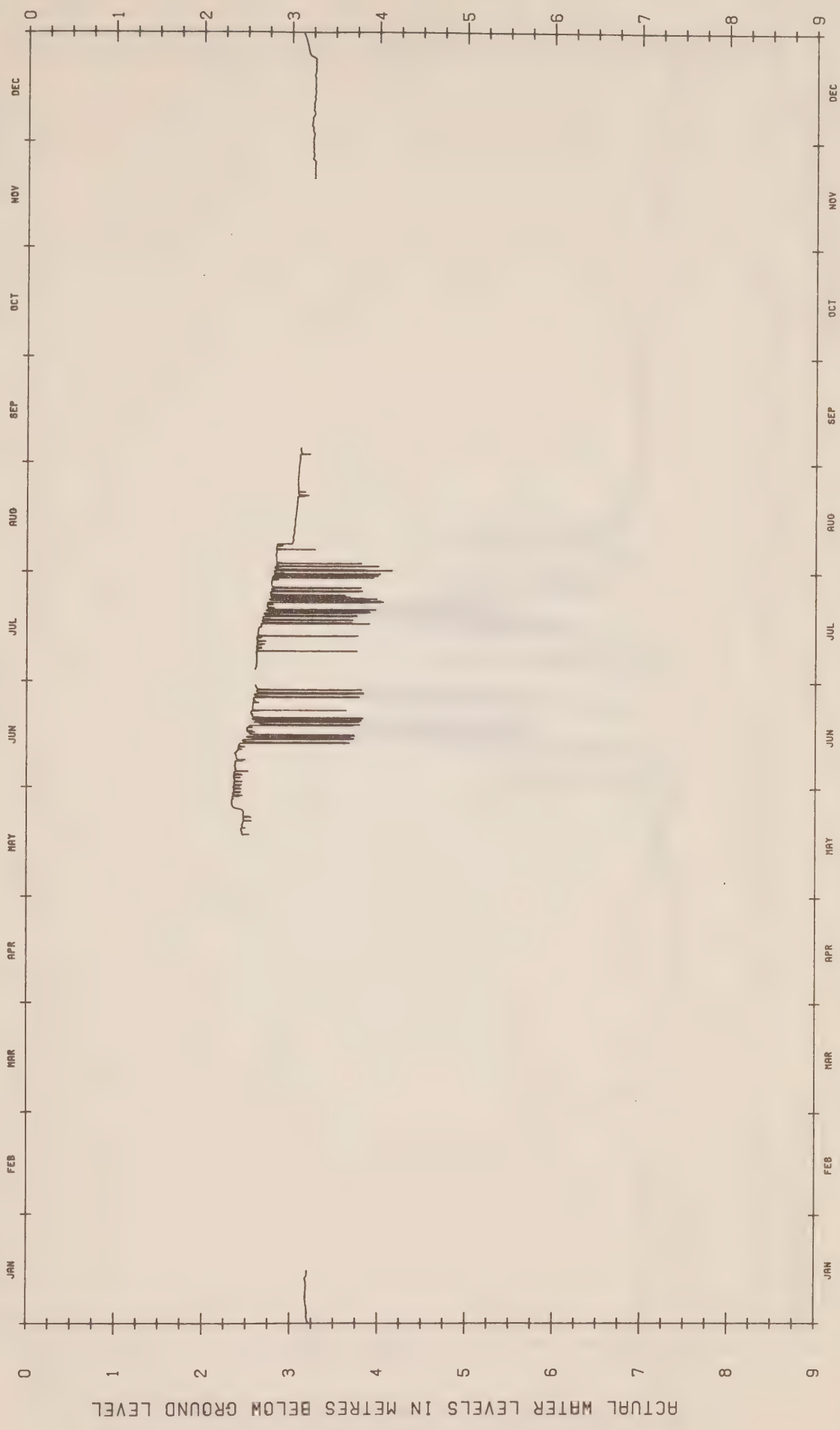
ENVIRONMENT ONTARIO



OBSERVATION WELL 170  
TOWNSHIP OF S. COLCHESTER

1979

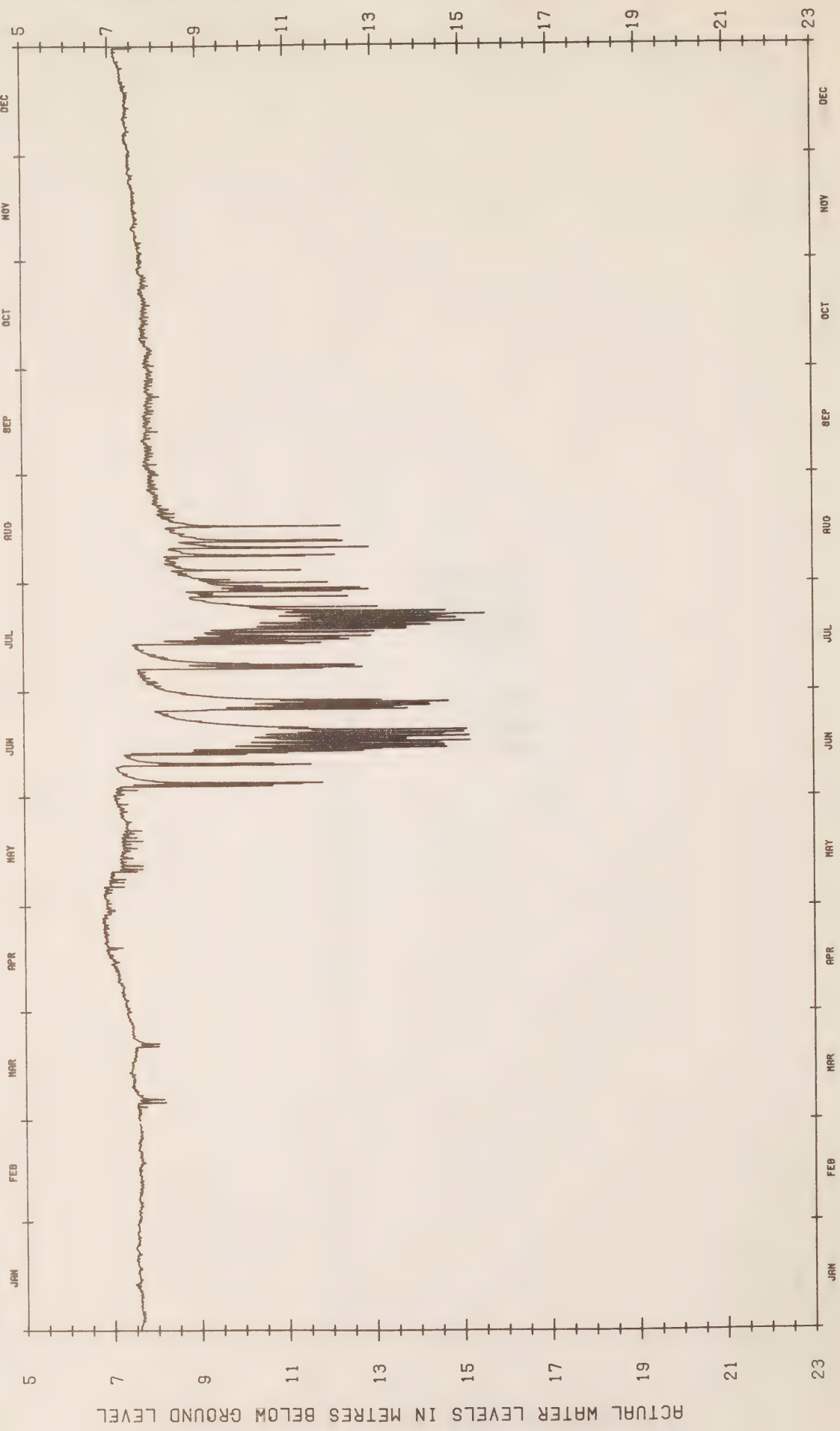
ENVIRONMENT ONTARIO



OBSERVATION WELL 222  
TOWNSHIP OF S. COLCHESTER

1979

ENVIRONMENT ONTARIO



# OBSERVATION WELL 351 TOWNSHIP OF MORRIS

1979

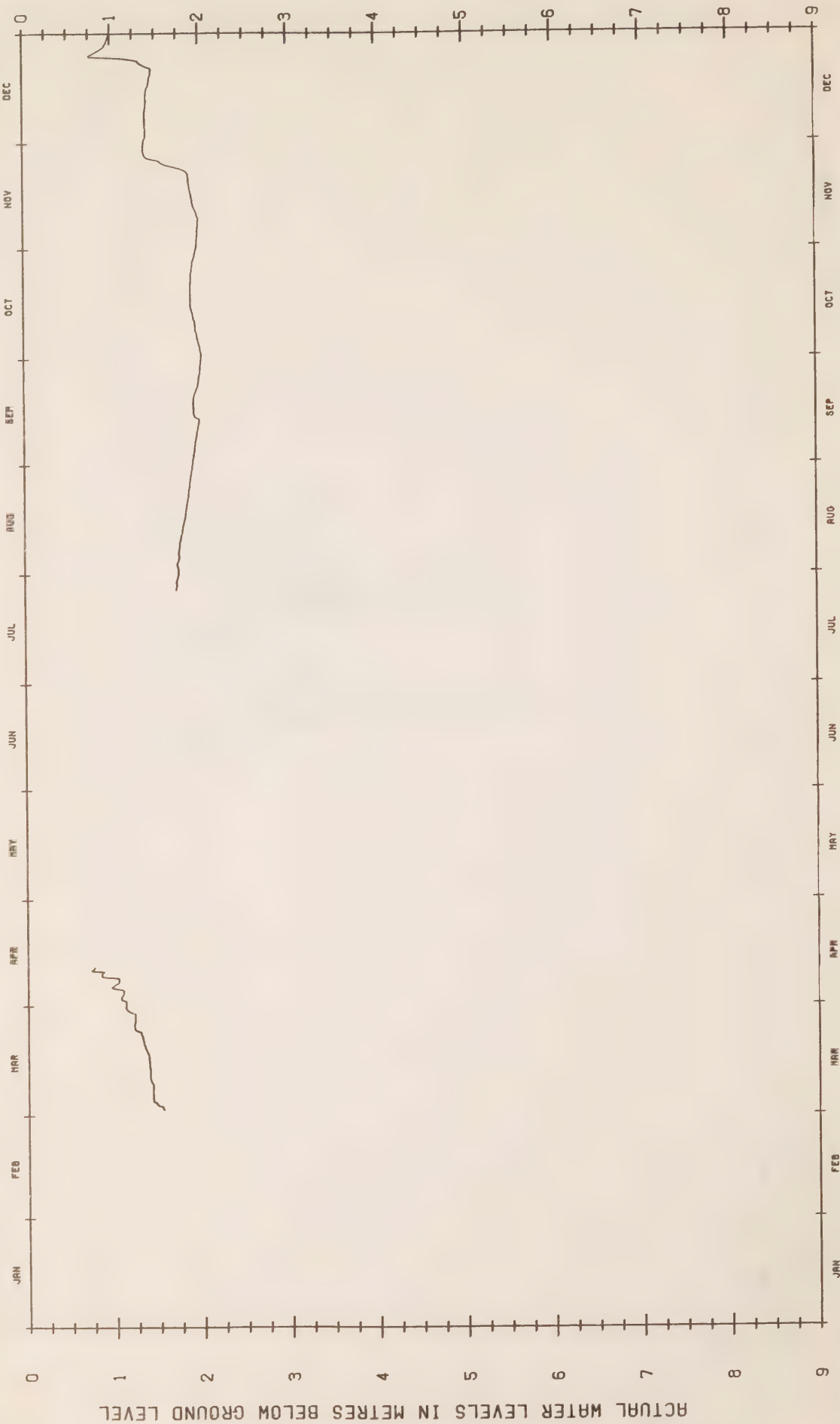
ENVIRONMENT ONTARIO



# OBSERVATION WELL 172 TOWN OF BOTHWELL

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL 056  
TOWN OF FOREST

1979

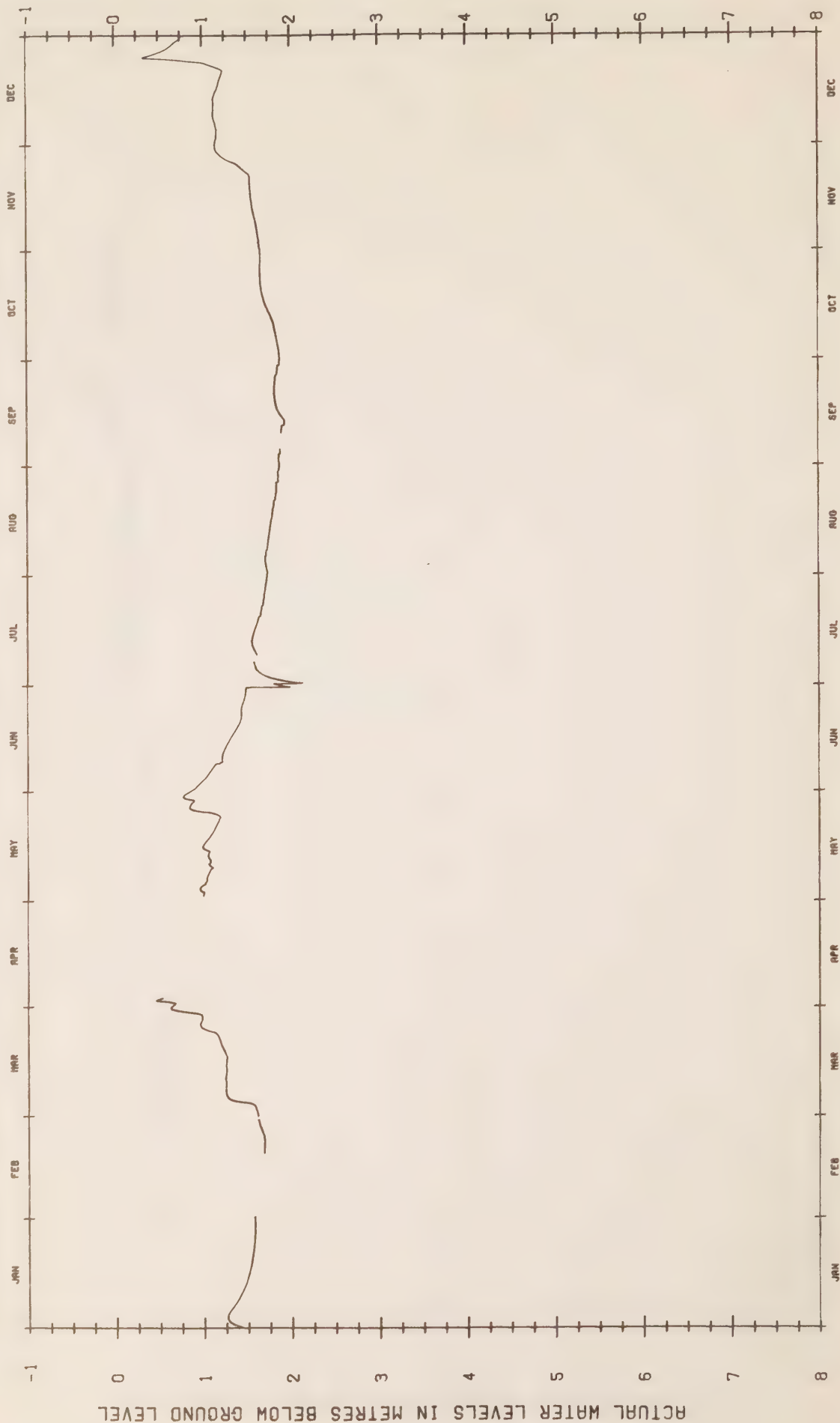
ENVIRONMENT ONTARIO



OBSERVATION WELL 206  
TOWNSHIP OF CARADOC

1979

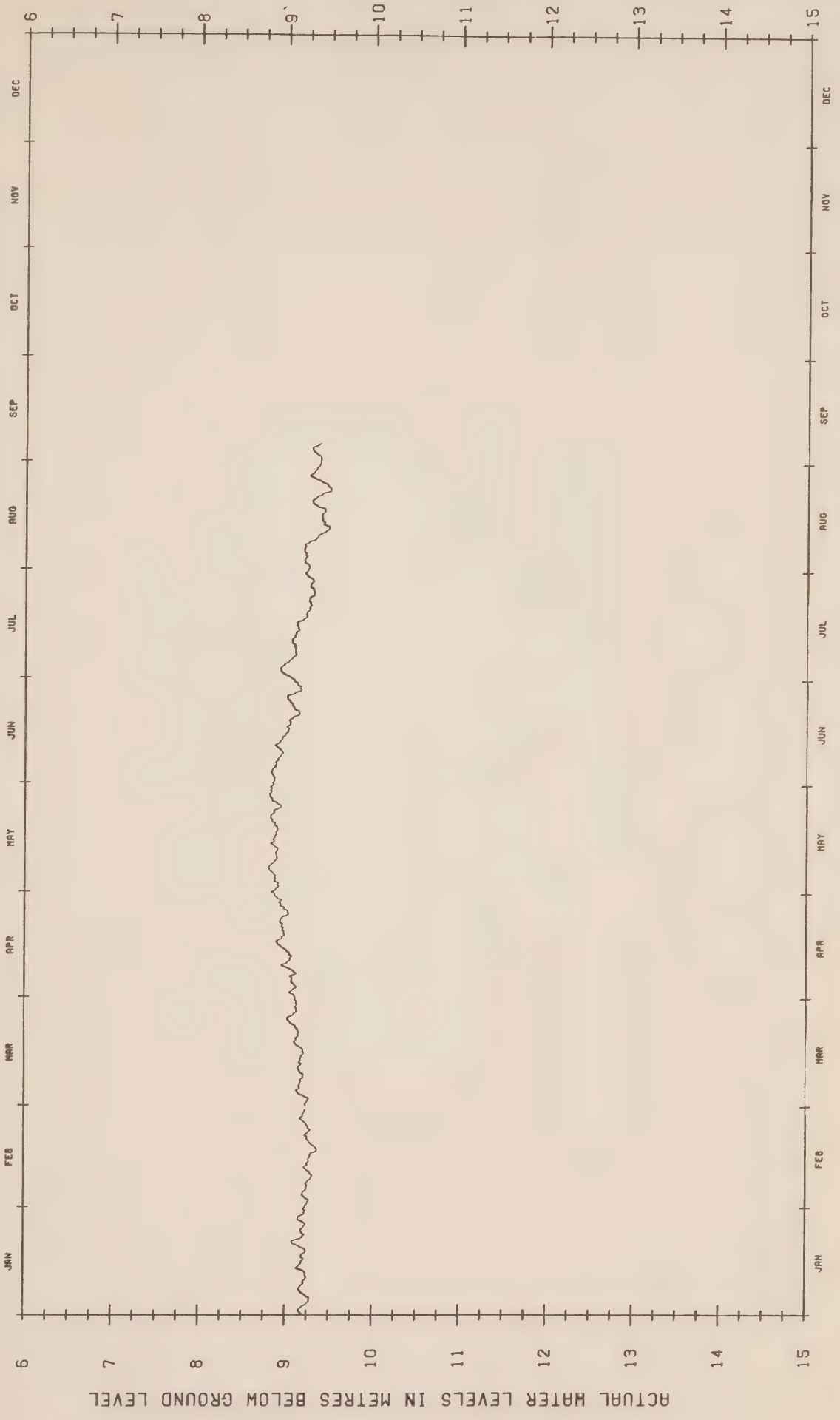
ENVIRONMENT ONTARIO



OBSERVATION WELL 107  
TOWNSHIP OF LOBO

1979

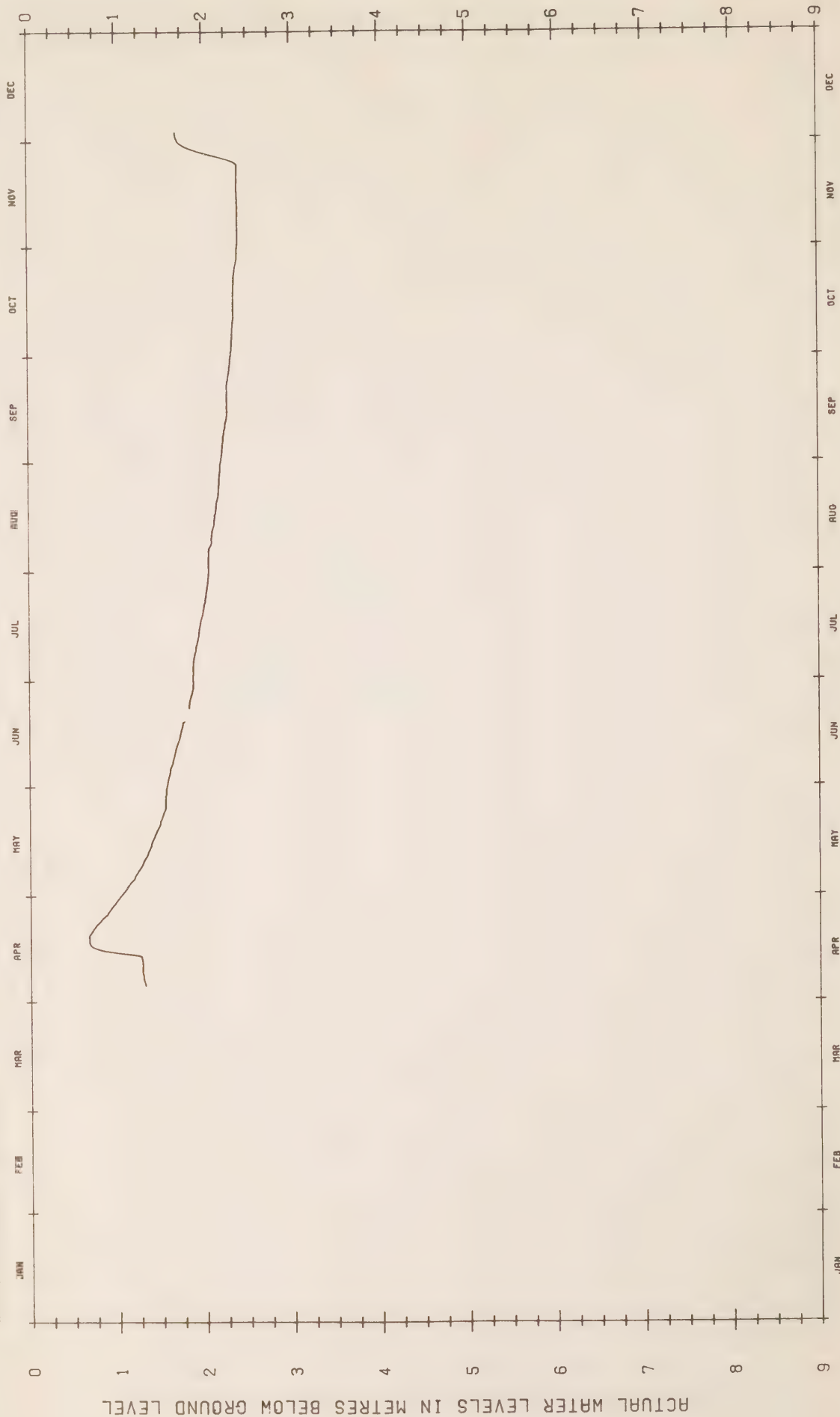
ENVIRONMENT ONTARIO



ENVIRONMENT ONTARIO

1979

OBSERVATION WELL 029  
TOWNSHIP OF WESTMINSTER



OBSERVATION WELL 071  
TOWNSHIP OF WESTMINSTER

1979

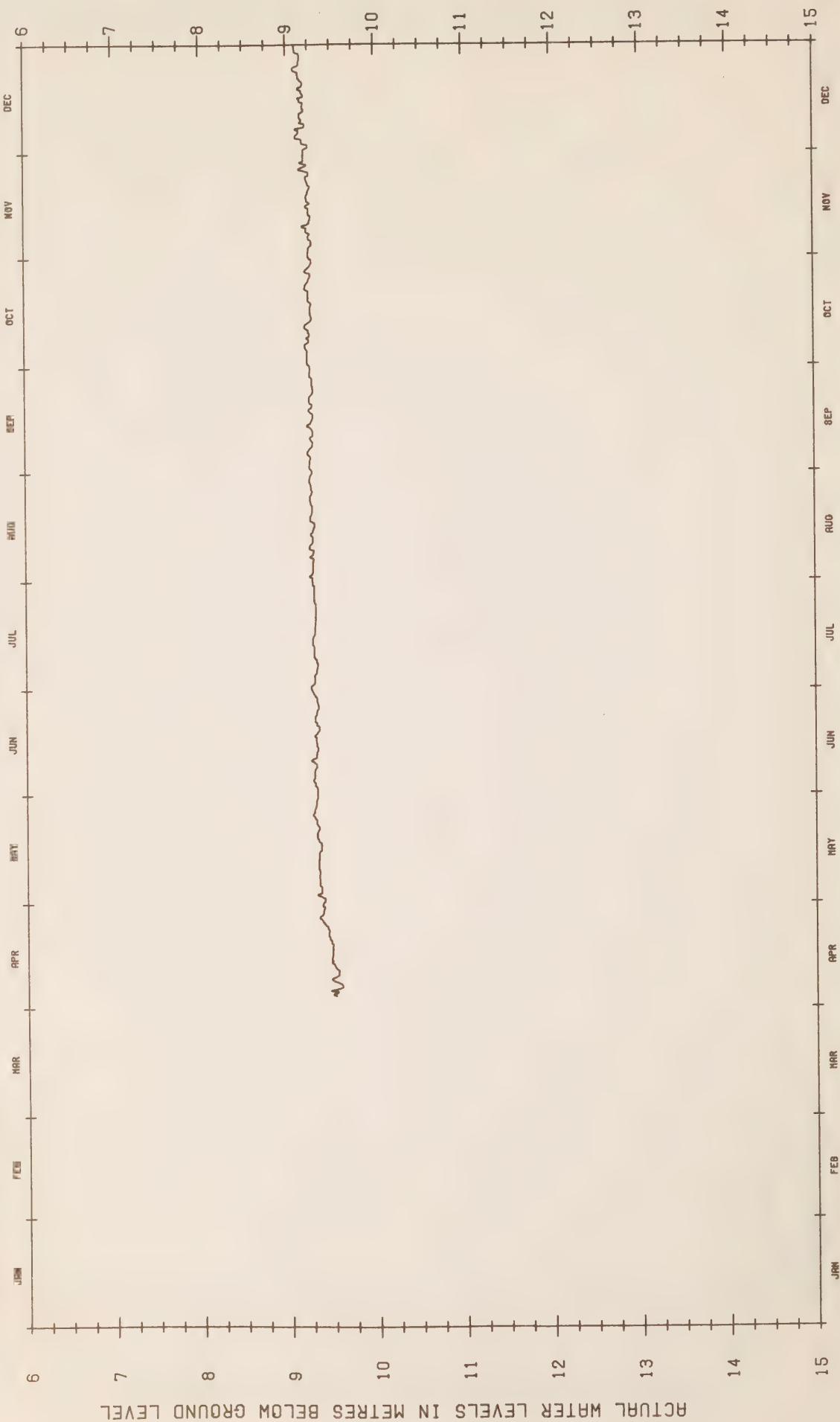
ENVIRONMENT ONTARIO



OBSERVATION WELL 513  
TOWNSHIP OF WESTMINSTER

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL 071  
TOWNSHIP OF WESTMINSTER

1979

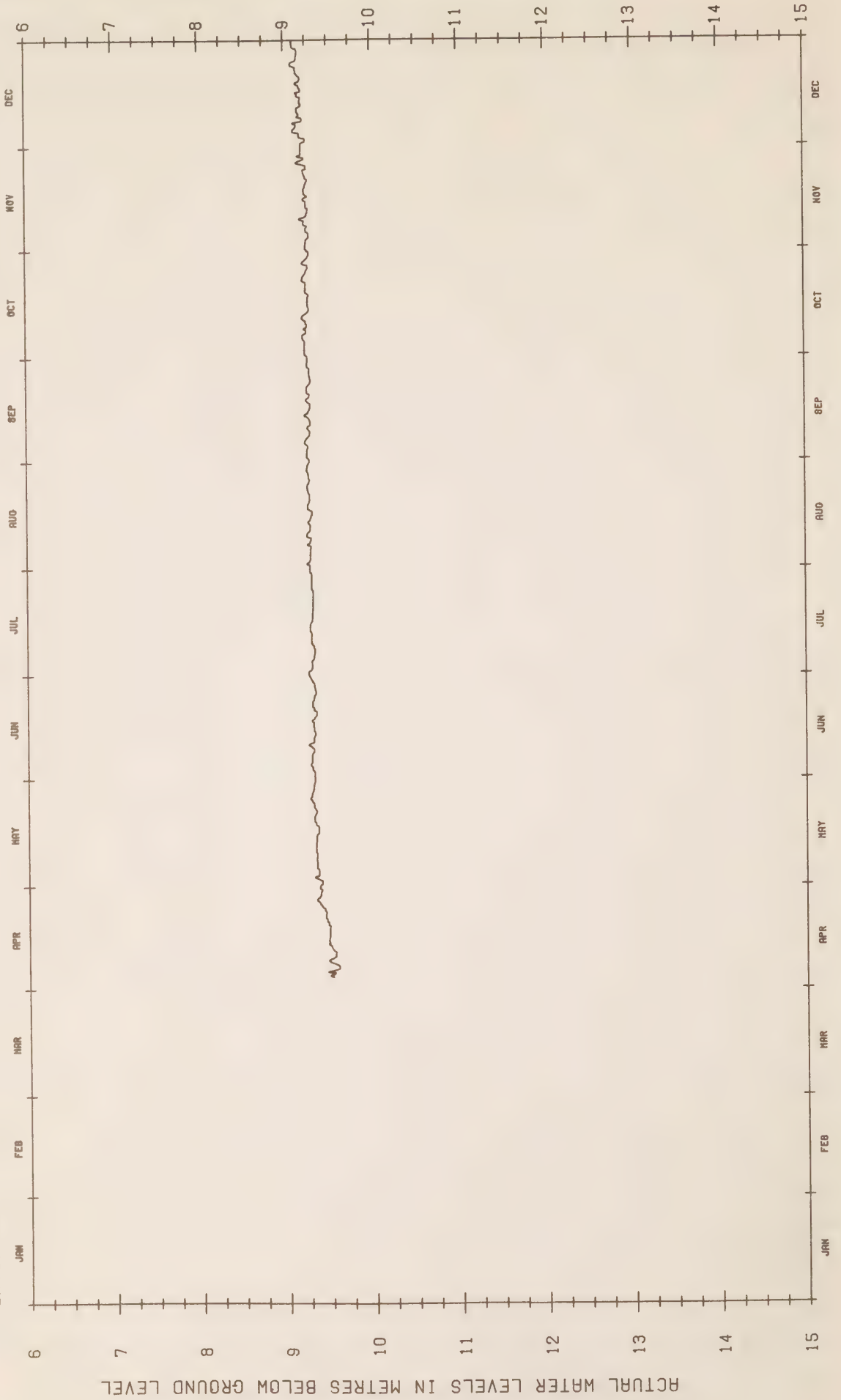
ENVIRONMENT ONTARIO



OBSERVATION WELL 513  
TOWNSHIP OF WESTMINSTER

1979

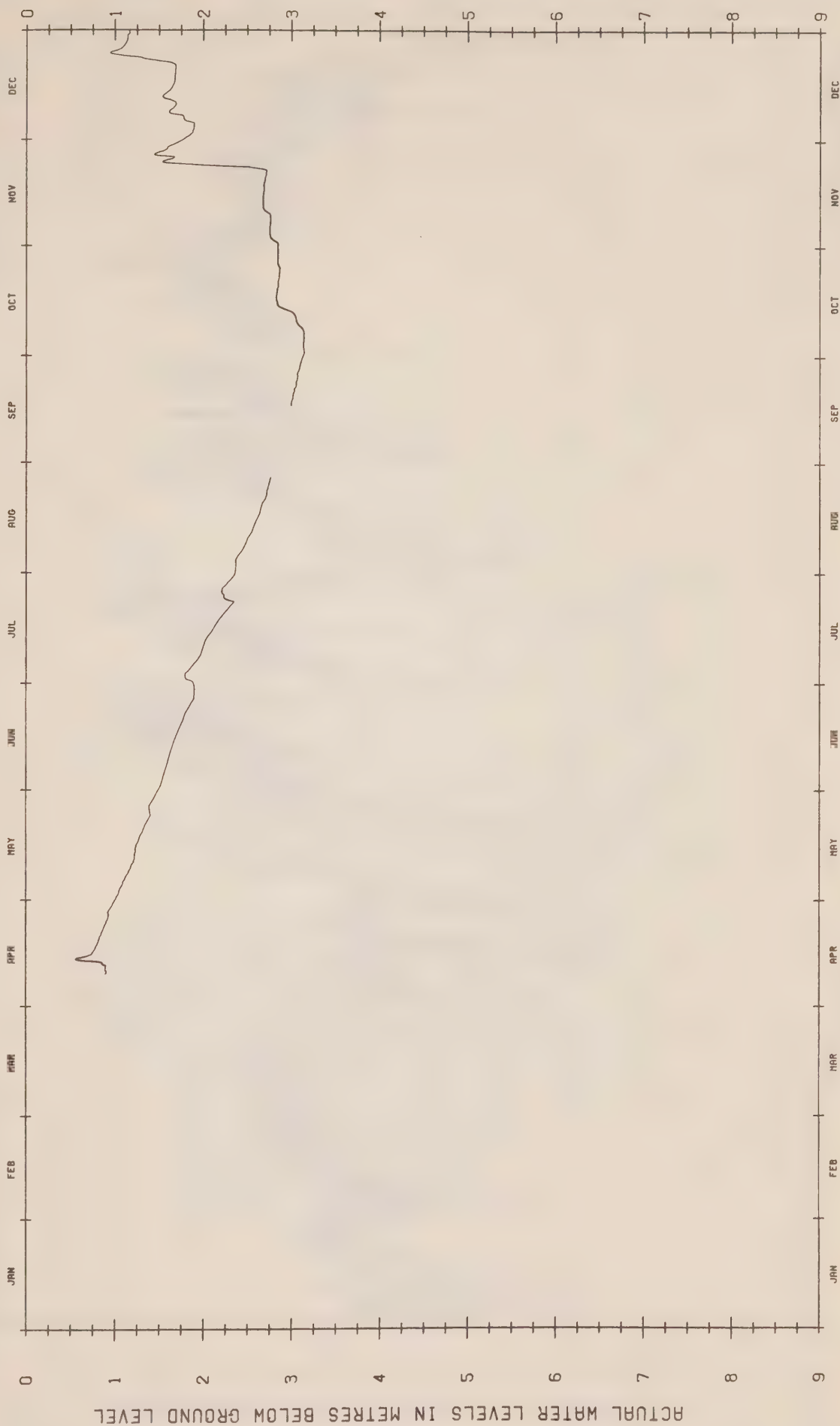
ENVIRONMENT ONTARIO



OBSERVATION WELL 045  
TOWNSHIP OF BLANSHARD

1979

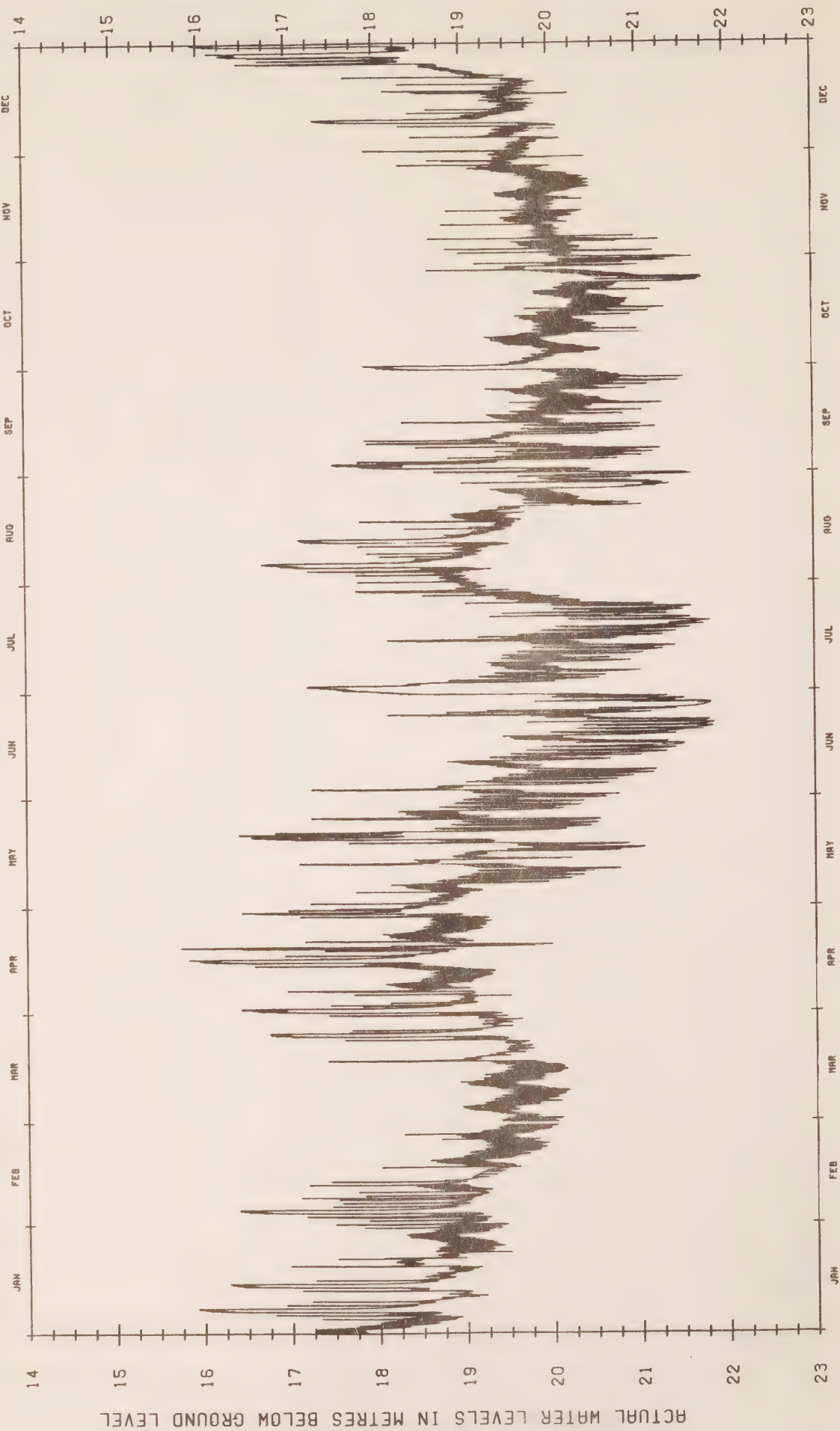
ENVIRONMENT ONTARIO



OBSERVATION WELL 182  
TOWN OF STRATFORD

1979

ENVIRONMENT ONTARIO



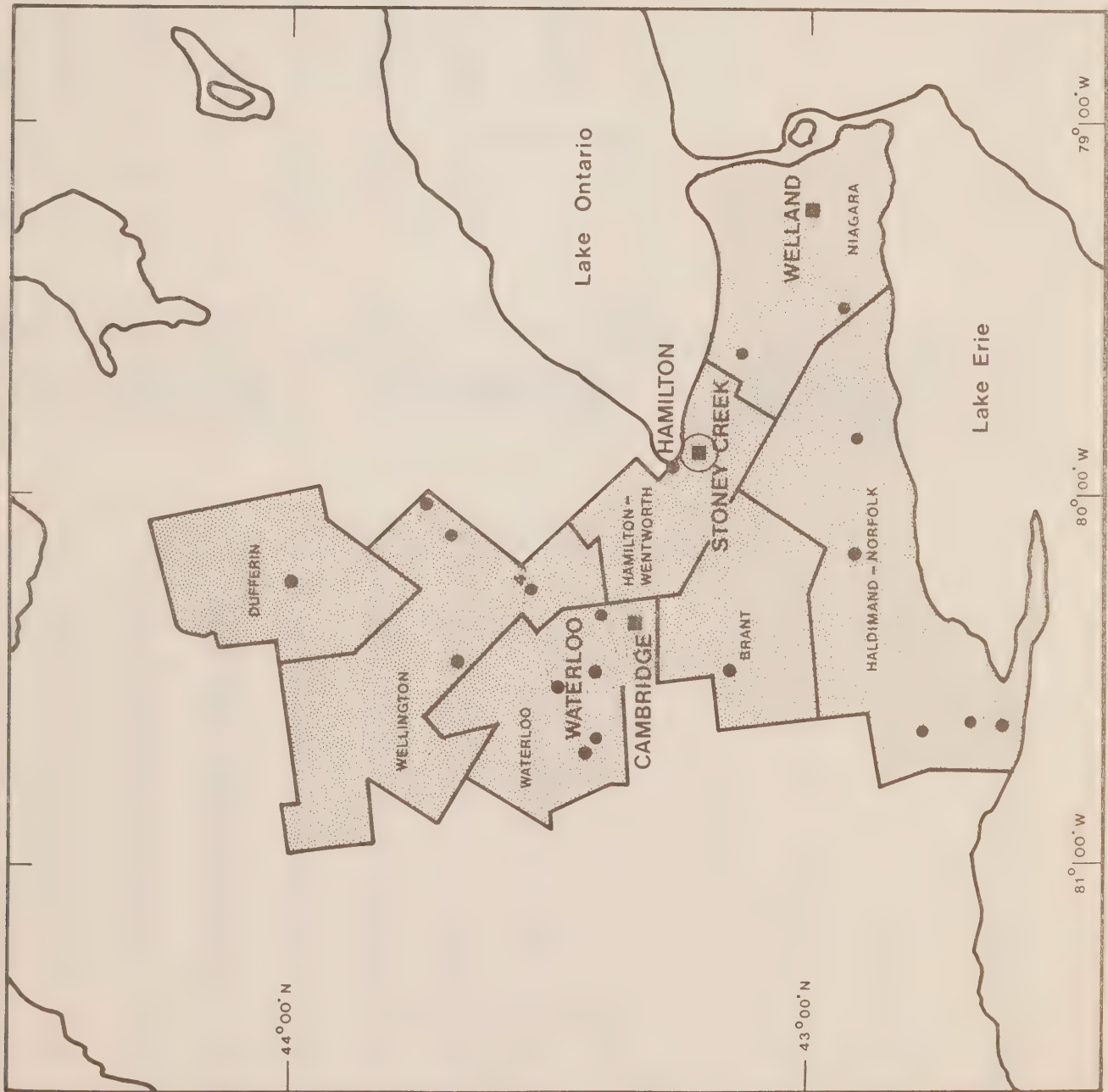
OBSERVATION WELL DATA

REGIONAL OFFICE  
 STONEY CREEK  
 140 Centennial Pkwy. N.  
 416-561-7410

DISTRICT OFFICES  
 Welland  
 637-641 Niagara St. N.  
 416-735-0431  
 Cambridge  
 400 Clyde Road  
 P.O. Box 219  
 519-623-2080

LEGEND

- Regional Office
- District Office
- Recording Observation Well
- Number of Recording Wells in same location
- Manually Measured Well
- Number of Manually Measured Wells in same location



ENVIRONMENT ONTARIO  
TORONTO  
BRANT COUNTY

OBSERVATION WELL 124  
TOWNSHIP OF BRANTFORD

CONC. 1 LOT 2

WELL REC #1 1301823  
UTM CO-ORD: Z-17 E546800 N4779250  
LAT & LONG: 43-10 NORTH 80-25 WEST

REC METHOD: A-35 RECORDER  
REC COMMCD: JAN. 20 1965  
MEASURE DT: 1.5 METRES ABOVE GROUND SURFACE  
GND ELV: 259 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: GREY GRAVEL WITH COARSE SAND AND CORRLES 9.8.

DIAMETER OF WELL: 91 CM  
LENGTH OF CASING: 9.8 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 9.8 METRES

PUMP RATE: N/A.  
SPEC. CAP: N/A.  
AQUIFER: GRAVEL  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1							6.83	7.03	6.97	7.13	7.23	7.13	1
2							6.84	7.02	6.98	7.13	7.23	7.11	2
3							6.84	7.02	6.99	7.14	7.24	7.10	3
4							6.85	7.02	7.00	7.14	7.24	7.08	4
5							6.85	7.01	7.00	7.15	7.24	7.07	5
6							6.86	7.02	7.01	7.15	7.24	7.07	6
7							6.87	7.03	7.01	7.16	7.24	7.06	7
8						6.36	6.87	6.99	7.02	7.17	7.24	7.06	8
9						6.40	6.88	6.96	7.03	7.17	7.25	7.06	9
10						6.43	6.88	6.95	7.03	7.17	7.25	7.05	10
11						6.46	6.89	6.95	7.04	7.17	7.25	7.05	11
12						6.50	6.90	6.95	7.04	7.18	7.25	7.05	12
13						6.54	6.90	6.95	7.05	7.18	7.24	7.05	13
14						6.57	6.91	6.96	7.05	7.19	7.24	7.06	14
15						6.60	6.92	6.97	7.05	7.19	7.24	7.05	15
16						6.64	6.93	6.97	7.06	7.19	7.24	7.06	16
17						6.67	6.93	6.98	7.06	7.20	7.23	7.07	17
18						6.70	6.94	6.99	7.06	7.20	7.23	7.07	18
19						6.74	6.95	7.00	7.07	7.20	7.24	7.08	19
20						6.75	6.95	7.00	7.07	7.20	7.24	7.08	20
21						6.76	6.96	7.01	7.08	7.21	7.24	7.08	21
22						6.76	6.97	7.02	7.08	7.21	7.24	7.09	22
23						6.77	6.97	7.02	7.09	7.21	7.24	7.08	23
24						6.78	6.98	7.00	7.09	7.21	7.24	7.06	24
25						6.79	6.99	6.97	7.10	7.22	7.23	7.04	25
26						6.80	6.99	6.96	7.10	7.22	7.22	6.99	26
27						6.81	7.00	6.96	7.11	7.22	7.21	6.92	27
28						6.81	7.01	6.96	7.11	7.22	7.19	6.85	28
29						6.82	7.02	6.96	7.12	7.22	7.17	6.80	29
30						6.83	7.03	6.96	7.12	7.23	7.14	6.77	30
31							7.03	6.97		7.23		6.75	31
-MONTHLY SUMMARY-													
MEAN						6.93		6.99	7.05	7.19	7.23	7.03	MEAN
INST							6.83	6.94	6.97	7.12	7.13	6.74	INST
MAX						( 1 )	( 11 )	( 1 )	( 1 )	( 30 )	( 31 )	( 31 )	MAX
INST							7.04	7.03	7.12	7.23	7.25	7.13	INST
MIN						( 31 )	( 2 )	( 30 )	( 31 )	( 11 )	( 1 )	( 1 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
DUFFERIN COUNTY

OBSERVATION WELL 046  
TOWNSHIP OF LUTHER

CONC. 4 LOT 29

WELL REC #1 1701297  
UTM CO-ORD: Z-17 E553920 N4862120  
LAT & LONG: 43-55 NORTH 80-20 WEST

REC METHOD: A-35 RECORDER  
REC COMMCD: NOV. 27 1953  
MEASURE DT: 0.3 METRES ABOVE GROUND SURFACE  
GND ELV: 473 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG, DRILLED  
WELL LOG: GRAVELY, STONEY CLAY 6.1; GRAVEL SAND AND CLAY 10.7.

DIAMETER OF WELL: 122 CM, 5 CM  
LENGTH OF CASING: 6.1 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 10.7 METRES

PUMP RATE: N/A.  
SPEC. CAP: N/A.  
AQUIFER: SAND AND CLAY  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1											2.72	1.89	1
2											2.71	1.88	2
3										2.44	2.71	1.85	3
4										2.46	2.72	1.83	4
5										2.47	2.73	1.80	5
6										2.48	2.73	1.78	6
7										2.49	2.74	1.75	7
8										2.50	2.74	1.72	8
9										2.51	2.74	1.69	9
10										2.52	2.74	1.66	10
11										2.53	2.72	1.63	11
12										2.54	2.72	1.52	12
13										2.55	2.72	1.43	13
14										2.57	2.72	1.41	14
15										2.58	2.73	1.39	15
16										2.59	2.74	1.37	16
17										2.60	2.74	1.38	17
18										2.61	2.74	1.36	18
19										2.62	2.74	1.35	19
20										2.63	2.75	1.37	20
21										2.63	2.75	1.36	21
22										2.63	2.74	1.35	22
23										2.64	2.66	1.33	23
24										2.65	2.45	1.18	24
25										2.66	2.35	0.94	25
26										2.67	2.20	0.93	26
27										2.68	2.06	0.91	27
28										2.68	2.01	0.89	28
29										2.69	1.96	0.85	29
30										2.70	1.92	0.82	30
31										2.71		0.79	31
-MONTHLY SUMMARY-													
MEAN											2.59	1.40	MEAN
INST											1.90	0.78	INST
MAX										( 30 )	( 31 )	( 31 )	MAX
INST											2.75	1.90	INST
MIN										( 21 )	( 1 )	( 1 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
R. M. OF HALDIMAND - NORFOLK

OBSERVATION WELL 413  
TOWNSHIP OF MIDDLETON

STP 4  
LOT 23

WELL REC #1 4400966  
UTM CO-ORD: Z-17 E533400 N4738050  
LAT & LONG: 42-48NORTH 80-36WEST

REC METHOD: A35 RECORDER  
REC COMM: FEB 1966  
MEASURE PT: 0.9 METRES ABOVE GROUND SURFACE  
GND FLEV: 232 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK LOAM 0.61 MEDIUM SAND 6.11 OUTCSD 10.71 BLUE CLAY 11.

DIA METER OF WELL: 13 CM  
LENGTH OF CASING: 10.4 METRES  
LENGTH OF SCREEN: 0.6 METRES  
DEPTH OF WELL: 11 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER : SAND AND CLAY  
QUALITY : FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		0.93	0.86										1
2		0.94	0.82										2
3		0.96	0.75										3
4		0.97											4
5		0.99											5
6	0.71	1.01											6
7	0.74	1.03											7
8	0.77	1.05											8
9	0.80	1.08											9
10	0.83	1.10											10
11	0.86	1.12											11
12	0.88	1.13											12
13	0.90	1.15											13
14	0.85	1.17											14
15	0.80	1.18											15
16	0.81	1.20											16
17	0.83	1.23											17
18	0.87	1.24											18
19	0.90	1.25											19
20	0.91	1.26											20
21	0.92	1.27											21
22	0.95	1.27											22
23	0.98	1.24											23
24	0.97	1.05											24
25	0.91	0.89											25
26	0.89	0.84											26
27	0.89	0.84											27
28	0.89	0.85											28
29	0.90												29
30	0.91												30
31	0.92												31

-MONTHLY SUMMARY-													MEAN
MEAN		1.08											MEAN
INST		0.83											INST
MAX		(27)											MAX
INST		1.27											INST
MIN		(22)											MIN

ENVIRONMENT ONTARIO  
TORONTO  
R. M. OF HALDIMAND - NORFOLK

OBSERVATION WELL 064  
TOWNSHIP OF N. CAYUGA

JT  
LOT 23

WELL REC #1 2600272  
UTM CO-ORD: Z-17 E592905 N4750410  
LAT & LONG: 43-54NORTH 79-52WEST

REC METHOD: A35 RECORDER  
REC COMM: APR 15 1954  
MEASURE PT: 0.0 METRES ABOVE GROUND SURFACE  
GND FLEV: 204 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: CLAY 6.41 LIMESTONE 30.5.

DIA METER OF WELL: 15 CM  
LENGTH OF CASING: 6.4 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 30.5 METRES

PUMP RATE: 0.4 L/S  
SPEC. CAP: 0.001 L/S/M  
AQUIFER : LIMESTONE  
QUALITY : FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		6.17	6.34	6.29	6.84	6.28	6.75	7.11	7.36	7.26	6.96		1
2		6.23	6.35	6.26	6.89	6.30	6.76	7.08	7.34	7.22			2
3		6.24	6.36	6.23	6.90	6.31	6.80	7.09	7.34	7.22			3
4		6.21	6.32	6.25	6.85	6.30	6.81	7.11	7.37	7.23			4
5		6.23	6.31	6.16	6.87	6.31	6.84	7.13	7.38	7.22			5
6		6.26	6.33	6.12	6.89	6.35	6.89	7.16	7.34	7.18			6
7		6.22	6.32	6.15	6.89	6.38	6.92	7.18	7.35	7.16			7
8		6.23	6.33	6.15	6.90	6.42	6.94	7.17	7.41	7.22			8
9		6.28	6.35	6.06	6.92	6.45	6.92	7.18	7.44	7.22			9
10		6.29	6.35	6.05	6.97	6.43	6.92	7.13	7.42	7.23			10
11		6.34	6.34	6.08	6.95	6.43	6.92	7.15	7.43	7.19			11
12		6.33	6.35	6.07	6.97	6.50	6.92	7.20	7.45	7.13			12
13		6.34	6.37	6.02	6.99	6.56	6.93	7.21	7.43	7.13			13
14		6.34	6.31	6.06	6.01	6.57	6.93	7.20	7.36	7.19			14
15		6.31	6.37	6.02	6.03	6.55	6.95	7.25	7.36	7.18			15
16		6.33	6.41	6.02	6.06	6.57	7.00	7.29	7.38	7.16			16
17		6.44	6.41	6.03	6.09	6.58	7.05	7.30	7.37	7.16			17
18		6.45	6.41	6.04	6.09	6.64	7.07	7.26	7.31	7.16			18
19		6.36	6.39	6.04	6.07	6.73	7.09	7.26	7.30	7.13			19
20		6.34	6.38	6.04	6.06	6.76	7.10	7.29	7.31	7.08			20
21		6.30	6.37	6.02	6.09	6.75	7.10	7.31	7.27	7.05			21
22		6.34	6.37	6.01	6.16	6.72	7.10	7.32	7.27	7.04			22
23		6.33	6.33	6.01	6.17	6.74	7.11	7.31	7.32	6.97			23
24		6.31	6.25	6.00	6.17	6.78	7.11	7.30	7.33	6.97			24
25		6.33	6.22	6.07	6.16	6.83	7.10	7.32	7.30	6.98			25
26		6.30	6.26	6.03	6.14	6.85	7.06	7.34	7.30	7.01			26
27		6.29	6.32	6.05	6.15	6.85	7.07	7.35	7.30	7.02			27
28		6.33	6.37	6.08	6.19	6.84	7.08	7.33	7.27	6.95			28
29			6.34	6.22	6.83	6.83	7.09	7.30	7.27	6.96			29
30			6.33	6.25	6.83	6.78	7.11	7.31	7.29	7.02			30
31	6.16		6.10		6.28		7.10	7.35		7.01			31

-MONTHLY SUMMARY-													MEAN
MEAN		6.30	6.34	6.00	6.02	6.58	6.99	7.24	7.35	7.12			MEAN
INST		6.15	6.22	5.77	5.95	6.28	6.74	7.07	7.25	6.94			INST
MAX		( 1)	(25)	(27)	(10)	( 1)	( 2)	( 2)	(29)	(28)			MAX
INST		6.47	6.42	6.30	6.28	6.86	7.12	7.36	7.45	7.28			INST
MIN		(18)	(18)	( 1)	(31)	(26)	(24)	(31)	(12)	( 1)			MIN

ENVIRONMENT ONTARIO  
TORONTO  
R.M. OF HALDIMAND-NORFOLK

OBSERVATION WELL 138  
TOWNSHIP OF S. WALSINGHAM

CONC 4

LOT 13

WELL REC #1 4401235  
UTM CO-ORD: Z-17 E540150 N4722000  
LAT & LONG: 42-39N00WTH RD-31WEST

REC METHOD: A35 RECORDER  
REC COMMCD: MAY 20 1965  
MEASURE PT: 0.7 METRES ABOVE GROUND SURFACE  
GND ELEV: 207 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 0.3% YELLOW SAND 1.2% BROWN SAND 4.9% DRY GREY SAND 5.5% COARSE BROWN SAND 7.3% FINE GRFY SAND 9.8%  
MEDIUM DARK SAND 14.3.

DIAMETER OF WELL: 15 CM  
LENGTH OF CASING: 12.4 METRES  
LENGTH OF SCREEN: SLOTTED PIPE  
DEPTH OF WELL: 12.4 METRES

PUMP RATE: 0.5 L/S  
SPEC. CAP: N.A.  
AQUIFER: MEDIUM SAND  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.16	3.06	3.13	2.92	2.60	2.71	2.90	3.05	3.38	3.52			1
2	3.14	3.06	3.13	2.92	2.60	2.72	2.91	3.06	3.39	3.52			2
3	3.14	3.06	3.13	2.92	2.60	2.73	2.91	3.08	3.39	3.52			3
4	3.13	3.06	3.12	2.92	2.60	2.73	2.92	3.09	3.40	3.51			4
5	3.13	3.06	3.08	2.91	2.60	2.74	2.92	3.10	3.41	3.52			5
6	3.12	3.07	3.05	2.90	2.60	2.74	2.93	3.11	3.41	3.51			6
7	3.11	3.07	3.03	2.89	2.60	2.74	2.93	3.12	3.42	3.52			7
8	3.10	3.08	3.01	2.88	2.60	2.75	2.98	3.13	3.43	3.52			8
9	3.10	3.09	3.00	2.86	2.61	2.75	3.00	3.15	3.44	3.52			9
10	3.10	3.09	2.99	2.85	2.61	2.76	3.01	3.16	3.45	3.52			10
11	3.09	3.11	2.98	2.85	2.61	2.77	3.01	3.17	3.45	3.52			11
12	3.09	3.11	2.97	2.83	2.62	2.77	3.02	3.19	3.46	3.52			12
13	3.08	3.12	2.96	2.82	2.63	2.78	3.02	3.24	3.46	3.53			13
14	3.08	3.12	2.95	2.81	2.64	2.82	3.02	3.27	3.47	3.54			14
15	3.08	3.13	2.95	2.79	2.65	2.84	3.02	3.28	3.47	3.57			15
16	3.08	3.13	2.94	2.77	2.66	2.85	3.02	3.29	3.47	3.58			16
17	3.07	3.15	2.94	2.76	2.67	2.86	3.02	3.30	3.48	3.59			17
18	3.07	3.15	2.94	2.74	2.68	2.86	3.02	3.30	3.48	3.59			18
19	3.07	3.15	2.93	2.72	2.68	2.87	3.02	3.31	3.48	3.59			19
20	3.07	3.16	2.93	2.70	2.68	2.87	3.02	3.31	3.48	3.59			20
21	3.06	3.16	2.92	2.69	2.69	2.87	3.02	3.32	3.48	3.60			21
22	3.06	3.16	2.92	2.67	2.70	2.87	3.02	3.33	3.48				22
23	3.07	3.17	2.92	2.66	2.70	2.87	3.03	3.33	3.48				23
24	3.06	3.17	2.92	2.65	2.70	2.87	3.03	3.34	3.50				24
25	3.06	3.15	2.92	2.64	2.70	2.87	3.03	3.34	3.51				25
26	3.06	3.14	2.91	2.63	2.70	2.88	3.03	3.34	3.51				26
27	3.06	3.13	2.91	2.62	2.70	2.89	3.03	3.35	3.52				27
28	3.06	3.13	2.92	2.62	2.70	2.89	3.03	3.35	3.52				28
29	3.06		2.92	2.62	2.70	2.90	3.03	3.35	3.52				29
30	3.06		2.92	2.61	2.71	2.90	3.03	3.35	3.52				30
31	3.06		2.92		2.71		3.04	3.37					31
-MONTHLY SUMMARY-													
MEAN	3.09	3.12	2.98	2.77	2.65	2.82	3.00	3.24	3.46				MEAN
INST MAX	3.06 (28)	3.06 (3)	2.91 (27)	2.61 (30)	2.60 (3)	2.71 (1)	2.90 (1)	3.04 (1)	3.38 (1)				INST MAX
INST MIN	3.17 (1)	3.17 (24)	3.14 (3)	2.92 (1)	2.71 (31)	2.90 (30)	3.04 (31)	3.38 (31)	3.52 (30)				INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
R.M. OF HALDIMAND - NORFOLK

OBSERVATION WELL 408  
TOWNSHIP OF S. WALSINGHAM

CONC. 4

LOT 5

WELL REC #1 4401230  
UTM CO-ORD: Z-17 E535300 N4721000  
LAT & LONG: 42-39N00WTH RD-34WEST

REC METHOD: A35 RECORDER  
REC COMMCD: NOV. 1965  
MEASURE PT: 0.9 METRES ABOVE GROUND SURFACE  
GND ELEV: 207 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: SAND 6.4% SILTY CLAY 7.9.

DIAMETER OF WELL: 13 CM  
LENGTH OF CASING: 6.1 METRES  
LENGTH OF SCREEN: 1.2 METRES  
DEPTH OF WELL: 7.3 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SILTY CLAY  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						2.34	2.56	2.80	2.98	3.12			1
2						2.35	2.57	2.80	2.98	3.12			2
3						2.36	2.57	2.81	2.98	3.12			3
4						2.37	2.58	2.81	2.99	3.13			4
5						2.37	2.59	2.82	2.99	3.13			5
6						2.39	2.60	2.82	3.00	3.13			6
7						2.39	2.61	2.83	3.00	3.13			7
8						2.40	2.62	2.83	3.01	3.13			8
9						2.40	2.62	2.84	3.01	3.14			9
10						2.41	2.63	2.85	3.02	3.14			10
11						2.41	2.63	2.86	3.03	3.15			11
12						2.42	2.64	2.86	3.03	3.15			12
13						2.43	2.65	2.87	3.03	3.15			13
14						2.44	2.66	2.87	3.04	3.16			14
15						2.45	2.66	2.88	3.05	3.16			15
16						2.46	2.67	2.89	3.06	3.17			16
17						2.46	2.68	2.90	3.06	3.17			17
18						2.48	2.69	2.90	3.06	3.17			18
19						2.48	2.69	2.91	3.07	3.18			19
20					2.26	2.49	2.70	2.92	3.07	3.18			20
21					2.28	2.50	2.72	2.92	3.07	3.18			21
22					2.29	2.51	2.73	2.93	3.08	3.19			22
23					2.30	2.52	2.75	2.94	3.09	3.19			23
24					2.31	2.52	2.75	2.94	3.09	3.19			24
25					2.32	2.52	2.76	2.95	3.09	3.19			25
26					2.31	2.54	2.77	2.95	3.10				26
27					2.31	2.55	2.77	2.96	3.10				27
28					2.31	2.56	2.77	2.97	3.10				28
29					2.31	2.56	2.78	2.97	3.11				29
30					2.32	2.56	2.79	2.97	3.11				30
31					2.33		2.79	2.98					31
-MONTHLY SUMMARY-													
MEAN						2.45	2.68	2.89	3.05				MEAN
INST MAX						2.34 (1)	2.56 (1)	2.80 (1)	2.98 (1)				INST MAX
INST MIN						2.56 (30)	2.80 (31)	2.98 (31)	3.12 (30)				INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
R. M. OF HALDIMAND-NORFOLK

OBSERVATION WELL 545  
TOWNSHIP OF TOWNSEND

CONC. 11 LOT 21

WELL REC #: 4404036  
UTM CO-ORD: Z-17 E567485 N4750580  
LAT & LONG: 42-54 NORTH 80-11 WEST

REC METHOD: A-35 RECORDER  
REC COMMCD: NOV. 22 1978  
MEASURE DT: 0.2 METRES ABOVE GROUND SURFACE  
GND ELEV: 220 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LING: CLAY OVERBURDEN 9.8.

DIAMETER OF WELL: 91 CM  
LENGTH OF CASING: 9.8 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 9.8 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: CLAY OVERBURDEN  
QUALITY: FRESH

1979 DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.98	1.23	1.41	0.46	0.62	0.96	2.42	3.40	4.12	4.41			1
2	1.71	1.21	1.37	0.38	0.65	1.00	2.46	3.43	4.15	4.41			2
3	1.59	1.19	1.31	0.42	0.58	1.05	2.49	3.48	4.17	4.41			3
4	1.55	1.18	1.03	0.43	0.54	1.10	2.52	3.51	4.19	4.41			4
5	1.53	1.18	0.60	0.37	0.59	1.16	2.55	3.55	4.21	4.42			5
6	1.54	1.19	0.50	0.39	0.61	1.21	2.58	3.58	4.24	4.42			6
7	1.55	1.20	0.51	0.49	0.64	1.27	2.61	3.60	4.26	4.42			7
8	1.55	1.23	0.51	0.52	0.66	1.33	2.64	3.63	4.28	4.42			8
9	1.56	1.26	0.52	0.51	0.69	1.39	2.68	3.65	4.31	4.41			9
10	1.57	1.28	0.46	0.50	0.72	1.44	2.69	3.68	4.34	4.39			10
11	1.58	1.29		0.43	0.74	1.49	2.71	3.70	4.37	4.36			11
12	1.59			0.38	0.75	1.55	2.74	3.73	4.39	4.32			12
13	1.60			0.36	0.56	1.61	2.76	3.75	4.41	4.28			13
14	1.59		0.46	0.31	0.62	1.67	2.79	3.76	4.43	4.24			14
15	1.58		0.52	0.40	0.58	1.72	2.82	3.78	4.45	4.20			15
16	1.57			0.43	0.58	1.77	2.85	3.80	4.47	4.16			16
17	1.57			0.47	0.65	1.83	2.88	3.81	4.49	4.11			17
18	1.57		0.52	0.50	0.71	1.87	2.92	3.83	4.49	4.07			18
19	1.57		0.52	0.53	0.75	1.93	2.95	3.85	4.48	4.02			19
20	1.57		0.52	0.55	0.79	1.99	2.98	3.86	4.46	3.96			20
21	1.57		0.53	0.57	0.82	2.04	3.01	3.88	4.45	3.92			21
22	1.57	1.68	0.52	0.57	0.86	2.09	3.05	3.90	4.43	3.87			22
23	1.59	1.68	0.50	0.60	0.89	2.14	3.08	3.92	4.43	3.82			23
24	1.59	1.62	0.46	0.61	0.92	2.18	3.12	3.94	4.42	3.78			24
25	1.54	1.56	0.43	0.62	0.94	2.23	3.16	3.97	4.42				25
26	1.49	1.50	0.50	0.59	0.78	2.27	3.20	3.99	4.41				26
27	1.44	1.46	0.56	0.47	0.78	2.31	3.23	4.01	4.41				27
28	1.38	1.44	0.56	0.52	0.82	2.34	3.26	4.03	4.41				28
29	1.34		0.50	0.56	0.85	2.37	3.30	4.05	4.40				29
30	1.30		0.39	0.59	0.89	2.40	3.33	4.07	4.40				30
31	1.26		0.42		0.92		3.37	4.10					31
-MONTHLY SUMMARY-													
MEAN	1.55			0.48	0.73	1.72	2.88	3.78	4.36				MEAN
INST	1.24			0.26	0.51	0.94	2.41	3.38	4.11				INST
MAX	(31)			(14)	( 3)	( 1)	( 1)	( 1)	( 1)				MAX
INST	2.17			0.63	0.95	2.41	3.38	4.11	4.49				INST
MIN	( 1)			(26)	(25)	(30)	(31)	(31)	(17)				MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF NIAGARA

OBSERVATION WELL 399  
TOWNSHIP OF N. GRIMSBY

CONC. 5 LOT 12

WELL REC #: 3802296  
UTM CO-ORD: Z-17 E614640 N4779840  
LAT & LONG: 43-10 NORTH 79-35 WEST

REC METHOD: A35 RECORDER  
REC COMMCD: NOV 18 1969  
MEASURE DT: 0.9 METRES ABOVE GROUND SURFACE  
GND ELEV: 112 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LING: SOFT BROWN CLAY, STONES 3.1; SOFT GREY CLAY, STONES 11.6; HARD, DENSE WHITE DOLOMITE 14.3.

DIAMETER OF WELL: 15 CM 13.4  
LENGTH OF CASING: METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 14.3 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: DOLOMITE  
QUALITY: FRESH

1979 DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.52	0.56	0.60	0.47	0.39	0.43	0.65	1.21	1.40	1.47	1.50	1.26	1
2	0.51	0.59	0.61	0.42	0.41	0.43	0.66	1.18	1.40	1.47	1.50	1.25	2
3	0.53	0.58	0.60	0.43	0.39	0.43	0.68	1.18	1.40	1.47	1.50	1.26	3
4	0.54	0.57	0.55	0.41	0.39	0.44	0.69	1.18	1.41	1.48	1.51	1.20	4
5	0.55	0.58	0.57	0.37	0.40	0.43	0.71	1.18	1.42	1.48	1.53	1.17	5
6	0.53	0.59	0.57	0.29	0.40	0.44	0.76	1.17	1.41	1.46	1.52	1.12	6
7	0.52	0.56	0.58	0.25	0.40	0.45	0.76	1.19	1.40	1.45	1.51	1.11	7
8	0.52	0.58	0.58	0.26	0.40	0.46	0.79	1.21	1.42	1.47	1.51	1.10	8
9	0.53	0.60	0.59	0.30	0.41	0.48	0.81	1.25	1.43	1.47	1.50	1.13	9
10	0.55	0.60	0.57	0.28	0.41	0.49	0.82	1.25	1.44	1.48	1.47	1.10	10
11	0.57	0.63	0.57	0.26	0.42	0.50	0.80	1.27	1.43	1.48	1.50	1.05	11
12	0.56	0.63	0.59	0.28	0.43	0.51	0.81	1.29	1.45	1.46	1.51	1.05	12
13	0.54	0.63	0.58	0.31	0.43	0.52	0.85	1.31	1.45	1.45	1.50	1.06	13
14	0.51	0.63	0.55	0.34	0.44	0.53	0.85	1.31	1.43	1.48	1.48	1.04	14
15	0.57	0.62	0.60	0.33	0.44	0.56	0.89	1.32	1.40	1.49	1.47	1.04	15
16	0.54	0.62	0.61	0.32	0.45	0.57	0.92	1.33	1.41	1.49	1.46	1.00	16
17	0.56	0.63	0.61	0.32	0.46	0.65	0.94	1.35	1.42	1.50	1.46	1.00	17
18	0.54	0.63	0.61	0.33	0.45	0.63	0.98	1.36	1.41	1.50	1.45	1.00	18
19	0.60	0.64	0.60	0.33	0.44	0.66	1.02	1.37	1.40	1.51	1.46	0.98	19
20	0.56	0.65	0.58	0.34	0.44	0.68	1.05	1.42	1.42	1.49	1.45	0.94	20
21	0.53	0.63	0.58	0.35	0.44	0.68	1.10	1.46	1.41	1.48	1.46	0.99	21
22	0.57	0.64	0.56	0.36	0.46	0.66	1.14	1.48	1.41	1.48	1.44	0.96	22
23	0.60	0.63	0.53	0.37	0.46	0.65	1.18	1.49	1.43	1.47	1.42	0.91	23
24	0.55	0.60	0.50	0.37	0.46	0.67	1.20	1.47	1.46	1.46	1.41	0.86	24
25	0.54	0.60	0.51	0.37	0.45	0.72	1.22	1.46	1.45	1.46	1.41	0.74	25
26	0.57	0.58	0.53	0.36	0.42	0.76	1.20	1.46	1.46	1.49	1.35	0.68	26
27	0.54	0.59	0.55	0.35	0.42	0.77	1.19	1.45	1.49	1.50	1.31	0.70	27
28	0.54	0.60	0.54	0.37	0.43	0.75	1.16	1.43	1.48	1.48	1.29		28
29	0.56		0.52	0.39	0.43	0.73	1.16	1.40	1.46	1.48	1.27		29
30	0.57		0.49	0.39	0.43	0.69	1.20	1.39	1.47	1.50	1.26		30
31	0.56		0.47		0.43		1.21	1.40		1.51			31
-MONTHLY SUMMARY-													
MEAN	0.55	0.61	0.56	0.34	0.43	0.58	0.95	1.33	1.43	1.48	1.45		MEAN
INST	0.49	0.55	0.46	0.25	0.38	0.43	0.65	1.16	1.39	1.45	1.25		INST
MAX	(14)	( 7)	(31)	( 8)	( 3)	( 2)	( 2)	( 6)	(14)	( 7)	(30)		MAX
INST	0.61	0.66	0.63	0.47	0.47	0.80	1.26	1.50	1.55	1.52	1.54		INST
MIN	(18)	(23)	(17)	( 1)	(22)	(27)	(24)	(23)	(27)	(31)	( 5)		MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF NIAGARA  
TOWNSHIP OF WATNFLEET  
CONC. 5  
LOT 37  
WELL REC #1 6602400  
UTM CO-ORD: 7-17 E624R61 N4755444  
LAT & LONG: 42-57NORTH 79-28WEST  
REC METHOD: A35 RECORDER  
REC COMMCD: FEB 26 1969  
MEASURE PT: 0.9 METRES ABOVE GROUND SURFACE  
GND ELFV: 177 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN CLAY 1.5% BLUE CLAY 14.6% REDDISH CLAY 21.3% CLAY AND GRAVEL 33.6% SALINA LIMESTONE 53.4%  
DIAMETER OF WELL: 13 CM  
LENGTH OF CASING: 33.2 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 53.4 METRES  
PUMP RATE: 3 L/S  
SPEC. CAP: 0.015 L/S/M  
AQUIFER: 1 LIMESTONE  
QUALITY: 1 MINERAL

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.58	2.41	2.44	2.37	2.35								1
2	2.56	2.43	2.44	2.34	2.37								2
3	2.57	2.43	2.43	2.33	2.36								3
4	2.58	2.42	2.36	2.34	2.34								4
5	2.59	2.42	2.34	2.28	2.35								5
6	2.58	2.43	2.35	2.26	2.35								6
7	2.56	2.42	2.36	2.30	2.35								7
8	2.56	2.42	2.36	2.30	2.36								8
9	2.56	2.45	2.38	2.26	2.37								9
10	2.57	2.47	2.37	2.27	2.38								10
11	2.58	2.49	2.37	2.30	2.38								11
12	2.59	2.49	2.38	2.29	2.38								12
13	2.57	2.49	2.38	2.24	2.38								13
14	2.50	2.49	2.34	2.20	2.38								14
15	2.54	2.49	2.38	2.20	2.38								15
16	2.55	2.52	2.38	2.23	2.38								16
17	2.53	2.57	2.38	2.25									17
18	2.53	2.58	2.39	2.27									18
19	2.55	2.56	2.39	2.28									19
20	2.52	2.56	2.38	2.29									20
21	2.46	2.54	2.38	2.30									21
22	2.46	2.54	2.38	2.31									22
23	2.51	2.53	2.36	2.34									23
24	2.48	2.51	2.33	2.34									24
25	2.42	2.50	2.32	2.35									25
26	2.44	2.46	2.35	2.36									26
27	2.44	2.45	2.40	2.33									27
28	2.42	2.45	2.42	2.33									28
29	2.41		2.39	2.34									29
30	2.42		2.38	2.35									30
31	2.42		2.36										31
-MONTHLY SUMMARY-													
MEAN	2.52	2.48	2.38	2.30									MEAN
INST	2.41	2.41	2.32	2.19									INST
MAX	(31)	(1)	(24)	(14)									MAX
INST	2.63	2.58	2.45	2.37									INST
MIN	(1)	(18)	(1)	(2)									MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO  
TOWN OF ELMIRA  
CONC. =  
LOT =  
WELL REC #1 6503536  
UTM CO-ORD: 2-17 E535505 N4827750  
LAT & LONG: 43-27NORTH 80-34WEST  
REC METHOD: A35 RECORDER  
REC COMMCD: NOV 30 1946  
MEASURE PT: 1.0 METRES ABOVE GROUND SURFACE  
GND ELFV: 355 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: SAND AND GRAVEL OVERBURDEN 18.3%  
DIAMETER OF WELL: 51 CM  
LENGTH OF CASING: 15.3 METRES  
LENGTH OF SCREEN: 2.7 METRES  
DEPTH OF WELL: 18 METRES  
PUMP RATE: 37 L/S  
SPEC. CAP: 0.23 L/S/M  
AQUIFER: 1 SAND AND GRAVEL  
QUALITY: 1 FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						4.59	4.64	5.11	5.62				1
2						4.47	4.58	5.20	5.32				2
3						4.30	4.62	5.03	5.23				3
4						4.49	4.84	4.89					4
5						4.28	5.09	4.81					5
6						4.27	5.21	4.96					6
7						4.34	5.18						7
8						4.33	5.17						8
9						4.22	5.35	4.61					9
10						4.09	5.22	4.43					10
11						4.23	5.27						11
12						4.25	5.45						12
13						4.32	5.70						13
14						4.30	5.53	4.41					14
15						3.94	5.38	4.86					15
16						4.25	5.54	4.91					16
17						4.60	5.53	4.99					17
18						4.62	5.59	4.98					18
19						4.75	5.25	5.00					19
20						4.88	5.37	5.93					20
21						4.64	5.16	5.86					21
22						4.39	5.29	5.74					22
23						4.65	5.02	5.72					23
24						4.76	4.95	5.91					24
25						4.52	5.24	5.87					25
26						4.17	5.50	5.69					26
27						4.13	5.36	5.39					27
28						4.00	5.08	5.18					28
29							5.13	5.04	5.75				29
30							4.80	4.98	5.62				30
31							4.60	5.04	5.86				31
-MONTHLY SUMMARY-													
MEAN						4.71	5.35						MEAN
INST						3.89	4.36						INST
MAX						(11)	(3)						MAX
INST						5.78	6.17						INST
MIN						(27)	(22)						MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 082  
CITY OF KITCHENER

CONC. =  
LOT =

WELL REC #1: 6500265  
UTM CO-ORDS: 2-17 E 544500 94906630  
LAT & LONG: 43-25-NORTH 80-27-WEST

REC METHOD: A35 RECORDER  
REC COMMCD: MAY 10 1958  
MEASURE PT: 0.0 METRES ABOVE GROUND SURFACE  
GND ELEV: 311 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: PREDUG 13.1% CLAY AND STONES 15.6% DRY GRAVEL 19.5% CEMENTED GRAVEL 22.6% CLAY, HARDPAN AND STONES 26.5% SANDY CLAY 27.5% BROWN CLAY 36.6% CHARSE SAND 38.1% GRAVEL 38.7% UNKN 39.6.

DIA METER OF WELL: 15 CM  
LENGTH OF CASING: 6.4 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 39.6 METRES

PUMP RATE: 1.1 L/S  
SPEC. CAP: 0.016 L/S/M  
AQUIFER: 1 SAND AND GRAVEL  
QUALITY: 1 FRESH

1979 DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	21.91	24.25	25.82			23.83	21.24					23.33	1
2	22.60	24.76	25.36			23.09			21.23	22.87	23.73	23.10	2
3		23.33	24.17				22.05		21.36	22.84	22.52	23.74	3
4		23.34					21.89	20.84	23.12	22.93	22.00	23.31	4
5						22.73	22.70	21.07	22.15	24.02	22.10	24.27	5
6	23.34	24.25		23.73		23.85		21.12	22.64	22.62	22.68	24.62	6
7	23.33	25.29	25.08	23.12		24.15			23.35	20.98	22.63	25.27	7
8	23.91	24.31	25.78					23.07	22.99	20.84	22.28	24.51	8
9	23.15	25.24	25.92					23.49	21.69	22.19	23.33	22.80	9
10	23.96	24.29		25.12				23.57	22.67	22.79	22.75	24.04	10
11	23.77	23.35		25.81				23.09	23.33	22.77	21.48	25.19	11
12	24.41	24.34	24.00	25.97					22.48	24.35	22.91	25.36	12
13	24.29	24.54	25.67	24.77					22.25	23.43	23.38	25.51	13
14	23.02	24.18	25.33						22.86	22.24	22.73	25.59	14
15	24.46	24.01							21.85	23.99	23.00	24.77	15
16	23.93		24.45						21.53	23.42	22.72	24.71	16
17	23.39		24.21						23.13	22.45	24.23	24.77	17
18	24.64	23.83							21.42	22.33	23.43	25.43	18
19	24.62	24.43					25.25		20.64	22.65	23.35	22.82	19
20	23.39	24.69					24.56	23.88	22.55	23.24	23.44	25.68	20
21	23.10	24.97			19.65		24.07	24.88	22.65	23.57	24.62	24.41	21
22	24.48	24.40			23.26		25.17	22.92		22.79		23.89	22
23	24.18	25.44			24.12		25.34	23.65		23.17	22.76	23.19	23
24	23.46	24.38			24.27		22.33	22.33	23.17	23.20	22.17	22.42	24
25	23.41	22.92			24.51		22.73	20.89	22.71	23.82	23.17		25
26	24.59	24.40			23.04		23.58	22.20	22.85	21.98	23.74		26
27	24.33	24.21			21.45		23.25			21.22	23.70		27
28	23.31	24.12			24.08		22.54	22.69			24.44	23.21	28
29	24.56				23.63		23.64	22.79			24.25	22.54	29
30	23.73				23.65			24.15					30
31	24.00		23.32										31
-MONTHLY SUMMARY-													
MEAN													MEAN
INST													INST
MAX													MAX
INST													INST
MIN													MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 396  
TOWNSHIP OF WILMOT

BRN  
LOT 11

WELL REC #1: 6502145  
UTM CO-ORDS: 2-17 E 530300 N4804475  
LAT & LONG: 43-24-NORTH 80-37-WEST

REC METHOD: BROTT RECORDER  
REC COMMCD: JUN 13 1973  
MEASURE PT: 1.4 METRES ABOVE GROUND SURFACE  
GND ELEV: 366 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN CLAY 2.4% SAND 5.2% SAND AND GRAVEL 11.6% BOULDERS, GRAVEL AND BROWN CLAY 15.6% BROWN CLAY CHANGING TO GREY COLOR 18.3% SILTY SAND WITH CLAY STREAKS 39% GRAVEL, SAND WITH BOULDERS 47.3% SAND AND FINE GRAVEL 55.5% GREY CLAY 65.9% GREY CLAY, GRAVEL 66.5% CEMENTED SAND, GRAVEL 66.5% BEDROCK 66.5.

DIA METER OF WELL: 5 CM  
LENGTH OF CASING: 43.9 METRES  
LENGTH OF SCREEN: 3.4 METRES  
DEPTH OF WELL: 47.3 METRES

PUMP RATE: 2 L/S  
SPEC. CAP: 0.15 L/S/M  
AQUIFER: 1 SAND AND GRAVEL  
QUALITY: 1 FRESH

1979 DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						14.45	14.75	14.93	14.90				1
2						14.47	14.77	14.91	14.88				2
3						14.45	14.78	14.92	14.89				3
4						14.44	14.76	14.91	14.90				4
5						14.46	14.78	14.90	14.89				5
6						14.48	14.78	14.90	14.86				6
7						14.49	14.76	14.88	14.85				7
8						14.51	14.74	14.88	14.88				8
9						14.49	14.71	14.88	14.89				9
10						14.44	14.69	14.84	14.87				10
11						14.45	14.71	14.85	14.88				11
12						14.48	14.72	14.87	14.88				12
13						14.50	14.70	14.86	14.86				13
14						14.48	14.70	14.84	14.84				14
15						14.47	14.71	14.86	14.85				15
16						14.47	14.73	14.87	14.87				16
17						14.52	14.74	14.85	14.87				17
18						14.60	14.73	14.82	14.85				18
19						14.63	14.73	14.85	14.85				19
20						14.66	14.72	14.86	14.86				20
21						14.71	14.71	14.86					21
22						14.75	14.76	14.85					22
23						14.81	14.83	14.84					23
24						14.80	14.87	14.84					24
25						14.78	14.89	14.86					25
26						14.81	14.86	14.88					26
27						14.83	14.86	14.88					27
28						14.85	14.84	14.88					28
29						14.80	14.85	14.87					29
30					14.48	14.76	14.87	14.88					30
31					14.47		14.93	14.91					31
-MONTHLY SUMMARY-													
MEAN						14.59	14.77	14.87					MEAN
INST						14.41	14.69	14.82					INST
MAX						(10)	(10)	(18)					MAX
INST						14.86	14.95	14.95					INST
MIN						(28)	(31)	(1)					MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 514  
TOWNSHIP OF WILMOT

CONC. SRS LOT 14

WELL REC #1 6503056  
UTM CO-ORDS: 7-17 E527650 N4805550  
LAT & LONG: 43-24NORTH 80-39WEST

REC METHOD: IFI TYPE RECORDER  
REC COMMOD: JANUARY 1974  
MEASURE PT: 1.5 METRES ABOVE GROUND SURFACE  
GND ELEV: 354 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLUE CLAY 11.6; GREY SILTY SAND 15.5.

DIAMETER OF WELL: 15 CM  
LENGTH OF CASING: 13.1 METRES  
LENGTH OF SCREEN: 2.4 METRES  
DEPTH OF WELL: 15.5 METRES

PUMP RATE: 3 L/S  
SPEC. CAP: 0.076 L/S/M  
AQUIFER: SILTY SAND AND CLAY  
QUALITY: FRESH

1979 DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													DAY
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		2.26	2.22	2.08	2.06	2.03	2.03	2.18	2.16	2.19	2.22		1
2		2.27	2.23	2.07	2.06	2.02	2.04	2.17	2.14	2.19	2.20		2
3		2.25	2.20	2.11	2.05	2.01	2.06	2.18	2.15	2.20	2.20		3
4		2.24	2.09	2.10	2.05	2.03		2.18	2.10	2.20	2.20		4
5		2.26	2.08	2.09	2.04	2.02		2.18	2.17	2.19	2.22		5
6	2.18	2.26		2.09	2.03	2.04		2.19	2.17	2.18	2.22		6
7	2.17			2.10	2.06	2.04		2.20	2.17	2.17	2.22		7
8	2.19			2.08	2.06	2.03		2.19	2.17	2.17	2.21		8
9	2.21	2.24	2.11	2.10	2.06	2.03		2.20	2.16	2.18	2.22		9
10	2.22	2.23	2.11	2.12	2.06	2.01	2.14	2.19	2.17	2.19	2.20		10
11	2.23	2.26	2.09	2.13	2.06	2.02	2.14	2.19	2.18	2.19	2.20		11
12	2.22	2.24	2.08	2.11	2.04	2.04	2.15		2.18	2.19			12
13	2.20	2.25	2.11	2.06	2.02	2.04	2.16		2.18	2.19			13
14	2.20	2.24	2.09	2.00	2.04	2.04	2.15		2.16	2.19			14
15	2.24	2.26	2.06	2.02	2.02	2.04	2.15		2.16	2.20			15
16	2.24	2.26	2.10	2.05	2.03	2.03	2.16	2.16	2.16	2.21			16
17	2.22	2.26	2.10	2.06	2.03	2.02	2.18	2.16	2.18				17
18	2.24	2.24	2.09	2.06	2.03	2.04	2.18	2.14	2.18				18
19	2.23	2.25	2.07	2.07	2.02	2.07	2.19	2.14	2.19	2.20			19
20	2.21	2.24	2.09	2.07	2.00	2.07	2.19	2.15	2.19	2.19			20
21	2.20	2.22	2.09	2.05	2.01	2.06	2.19	2.16	2.18	2.19			21
22	2.24	2.24	2.09	2.06	2.04	2.06	2.19	2.17	2.18	2.20			22
23	2.24	2.23	2.08	2.07	2.03	2.06	2.19	2.16	2.18	2.20			23
24	2.22	2.23	2.07	2.07	2.03	2.06	2.20	2.15	2.19	2.20			24
25	2.24	2.21	2.05	2.07	2.02	2.08	2.19	2.15	2.19	2.22			25
26	2.25	2.21	2.07	2.06	2.00	2.11	2.17	2.15	2.20	2.22			26
27	2.23	2.22	2.10	2.05	2.00	2.10	2.18	2.16	2.20	2.21			27
28	2.22	2.23	2.12	2.06	2.02	2.07	2.18	2.16	2.19	2.19			28
29	2.25		2.11	2.05	2.03	2.07	2.18	2.16	2.18	2.21			29
30	2.26		2.09	2.06	2.03	2.05	2.19	2.16	2.18	2.23			30
31	2.26		2.08		2.04		2.19	2.17		2.22			31
-MONTHLY SUMMARY-													
MEAN				2.07	2.03	2.05			2.18				MEAN
INST MAX				1.96 (14)	1.98 (26)	1.99 (11)			2.13 ( 2)				INST MAX
INST MIN				2.14 (11)	2.08 ( 1)	2.14 (26)			2.22 (18)				INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF WATERLOO

OBSERVATION WELL 524  
TOWNSHIP OF WILMOT

CONC. SRS LOT 15

WELL REC #1 6504745  
UTM CO-ORDS: Z-17 E527640 N4804700  
LAT & LONG: 43-24NORTH 80-40WEST

REC METHOD: IFI TYPE RECORDER  
REC COMMOD: JANUARY 1974  
MEASURE PT: 0.2 METRES ABOVE GROUND SURFACE  
GND ELEV: 351 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: OVERBURDEN 9.8.

DIAMETER OF WELL: 91 CM  
LENGTH OF CASING: 9.8 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 9.8 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: OVERBURDEN  
QUALITY: FRESH

E - ESTIMATE

1979 DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													DAY
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	9.74 E	9.67 E		9.54 E	8.91 E	9.14 E	9.27 E	9.51 E					1
2	9.73 E	9.67 E		9.54 E	8.91 E	9.15 E	9.28 E	9.52 E					2
3	9.72 E			9.54 E	8.91 E	9.15 E							3
4	9.71 E			9.54 E	8.92 E	9.15 E							4
5	9.71 E			9.53 E	8.92 E	9.16 E							5
6	9.71 F			9.52 E	8.93 E	9.16 E							6
7	9.70 E		9.60 E	9.51 E	8.94 E	9.17 E							7
8	9.70 F		9.59 E	9.50 E	8.95 E	9.17 E							8
9	9.70 E	9.68 E	9.59 E	9.49 E	8.96 E	9.18 E							9
10	9.70 E	9.68 E	9.58 E	9.47 E	8.97 E	9.18 E	9.42 E						10
11	9.70 E	9.68 E	9.58 E	9.46 E	8.98 E	9.19 E	9.43 E						11
12	9.70 E	9.69 E	9.58 E	9.45 E	8.99 E	9.19 E	9.43 E						12
13	9.70 F	9.69 E	9.58 E	9.43 E	9.01 E	9.20 E	9.43 E						13
14	9.69 F	9.70 E	9.57 E	9.41 E	9.02 E	9.20 E	9.44 E						14
15	9.69 E	9.70 E	9.57 E	9.40 E	9.03 E	9.20 E	9.44 E						15
16	9.69 E	9.70 E	9.57 E	9.38 E	9.05 E	9.21 E	9.45 E						16
17	9.69 E	9.69 E	9.56 E	9.35 E	9.06 E	9.21 E	9.45 E						17
18	9.69 E	9.71 E	9.56 E	9.32 E	9.07 E	9.21 E	9.46 E						18
19	9.69 E	9.71 F	9.56 E	9.28 E	9.08 E	9.22 E	9.46 E						19
20	9.69 E	9.71 E	9.56 E	9.24 E	9.10 E	9.22 E	9.46 E						20
21	9.69 E	9.71 E	9.55 E	9.20 E	9.11 E	9.23 E	9.47 E						21
22	9.69 E	9.71 E	9.55 E	9.16 E	9.13 E	9.23 E	9.47 E						22
23	9.68 E	9.71 E	9.55 E	9.12 E	9.14 E	9.23 E	9.48 E						23
24	9.68 E	9.71 E	9.55 E	9.08 E	9.16 E	9.24 E	9.48 E						24
25	9.67 F	9.68 E	9.55 E	9.05 E	9.17 E	9.24 E	9.48 E						25
26	9.67 E	9.67 E	9.55 E	9.01 E	9.19 E	9.25 E	9.49 E						26
27	9.67 E		9.54 E	8.99 E	9.20 E	9.25 E	9.49 E						27
28	9.67 E		9.54 E	8.96 E	9.22 E	9.26 E	9.49 E						28
29	9.67 E		9.54 E	8.94 E		9.26 E	9.50 E						29
30	9.67 F		9.53 E	8.92 E		9.27 E	9.50 E						30
31	9.67 E		9.54 E				9.51 E						31
-MONTHLY SUMMARY-													
MEAN	9.69			9.31		9.20							MEAN
INST MAX	9.67 (31)			8.91 (30)		9.14 ( 1)							INST MAX
INST MIN	9.74 ( 1)			9.54 ( 1)		9.27 (30)							INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
COUNTY OF WELLINGTON

OBSERVATION WELL 551

VILLAGE OF ERIN

CONC. -

LOT -

WELL REC #1 6700832  
UTM CO-ORDS: Z=17 E574475 N4847450  
LAT & LONG: 43=47N 04W

REC METHOD: A-35 RECORDER  
REC COMMD: OCT. 09 1979  
MEASURE PT: 0.0 METRES ABOVE GROUND SURFACE  
GND ELEV: 392 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: GRAVEL AND Boulders 4.61 GRAVEL 9.21 LIMESTONE ROCK 22,  
DIAMETER OF WELL: 10 CM  
LENGTH OF CASING: 9.2 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 16.2 METRES

PUMP RATE: 1 L/S  
SPEC. CAP: 3.54 L/S/M  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1											4.18		1
2											4.18		2
3											4.18		3
4											4.17		4
5											4.17		5
6													6
7													7
8													8
9													9
10										4.25			10
11										4.24			11
12										4.23			12
13										4.22			13
14										4.21			14
15										4.21			15
16										4.21			16
17										4.20			17
18										4.20			18
19										4.20			19
20										4.20			20
21										4.20			21
22										4.19			22
23										4.18			23
24										4.18			24
25										4.18			25
26										4.18			26
27										4.18			27
28										4.18			28
29										4.18			29
30										4.18			30
31										4.18			31

=MONTHLY SUMMARY=

MEAN													MEAN
INST													INST
MAX													MAX
INST													INST
MIN													MIN

ENVIRONMENT ONTARIO  
TORONTO  
WELLINGTON COUNTY

OBSERVATION WELL 432

TOWNSHIP OF ERIN

CONC. 4

LOT 4

WELL REC #1 6700628  
UTM CO-ORDS: Z=17 E574860 N4835410  
LAT & LONG: 43=48N 04W

REC METHOD: A35 RECORDER  
REC COMMD: MAY 1966  
MEASURE PT: 0.9 METRES ABOVE GROUND SURFACE  
GND ELEV: 366 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: VERY STONY TILL 1 SILTY, STONY TILL 9.21 FINE BROWN SILT SAND WITH STONES 10.71 GREY SILTY, STONY TILL 21.41 STONY, BUFF TILL 28.41 COARSE SAND AND FINE GRAVEL 29.31 FINE TO MEDIUM GRAVEL 30.51 FINE TO MEDIUM SAND 32.  
DIAMETER OF WELL: 18 CM  
LENGTH OF CASING: 29 METRES  
LENGTH OF SCREEN: 1.5 METRES  
DEPTH OF WELL: 30.5 METRES  
PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: GRAVEL  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.08	13.00	13.13	11.75	11.22	11.42	11.98	12.65	13.12	13.21			1
2	13.05	13.01	13.14	11.69	11.24	11.43	12.00	12.65	13.13	13.20			2
3	13.03	13.02	13.14	11.66	11.25	11.44	12.03	12.68	13.14	13.20			3
4	13.02	13.02	13.14	11.64	11.25	11.45	12.05	12.70	13.15	13.18			4
5	13.01	13.02	13.12	11.58	11.25	11.46	12.07	12.72	13.17	13.18			5
6	13.00	13.02	13.08	11.55	11.25	11.49	12.11	12.74	13.18	13.18			6
7	12.98	13.02	13.03	11.56	11.25	11.51	12.14	12.76	13.18	13.18			7
8	12.97	13.02	13.00	11.57	11.25	11.54	12.16	12.77	13.21	13.16			8
9	12.96	13.04	12.97	11.54	11.26	11.56	12.17	12.79	13.23	13.15			9
10	12.96	13.05	12.94	11.54	11.27	11.57	12.18	12.80	13.23	13.15			10
11	12.97	13.07	12.90	11.56	11.29	11.57	12.19	12.81	13.24	13.15			11
12	12.96	13.07	12.88	11.57	11.30	11.59	12.22	12.83	13.26	13.15			12
13	12.95	13.07	12.87	11.55	11.31	11.62	12.24	12.85	13.26	13.15			13
14	12.93	13.08	12.82	11.48	11.31	11.64	12.26	12.86	13.27	13.14			14
15	12.93	13.08	12.78	11.37	11.31	11.66	12.28	12.88	13.27	13.14			15
16	12.95	13.09	12.73	11.28	11.31	11.67	12.31	12.91	13.28	13.13			16
17	12.95	13.12	12.69	11.23	11.31	11.69	12.34	12.93	13.29	13.13			17
18	12.95	13.13	12.63	11.20	11.31	11.71	12.36	12.93	13.29	13.13			18
19	12.96	13.13	12.57	11.18	11.30	11.76	12.39	12.95	13.29	13.13			19
20	12.95	13.13	12.50	11.16	11.30	11.79	12.41	12.96	13.31	13.13			20
21	12.94	13.13	12.43	11.15	11.31	11.80	12.43	12.98	13.32	13.13			21
22	12.93	13.13	12.36	11.15	11.33	11.81	12.44	13.00	13.33	13.12			22
23	12.96	13.14	12.27	11.15	11.35	11.83	12.47	13.01	13.30	13.12			23
24	12.96	13.14	12.17	11.16	11.36	11.86	12.49	13.02	13.28	13.12			24
25	12.95	13.14	12.07	11.16	11.38	11.90	12.51	13.03	13.28	13.11			25
26	12.96	13.14	12.01	11.16	11.38	11.92	12.52	13.05	13.27	13.10			26
27	12.97	13.14	11.97	11.16	11.38	11.94	12.54	13.05	13.26	13.09			27
28	12.97	13.13	11.93	11.17	11.38	11.95	12.57	13.06	13.25	13.09			28
29	12.97		11.88	11.19	11.40	11.96	12.60	13.07	13.24	13.09			29
30	12.99		11.85	11.20	11.41	11.97	12.62	13.08	13.22				30
31	12.99		11.78		11.41		12.63	13.11					31

=MONTHLY SUMMARY=

MEAN	12.97	13.08	12.61	11.38	11.31	11.68	12.31	12.89	13.24				MEAN
INST	12.92	12.99	11.76	11.15	11.21	11.42	11.97	12.64	13.12				INST
MAX	(14)	(1)	(31)	(21)	(1)	(1)	(1)	(1)	(1)				MAX
INST	13.10	13.14	13.14	11.76	11.42	11.97	12.64	13.12	13.33				INST
MIN	(1)	(25)	(4)	(1)	(31)	(30)	(31)	(31)	(22)				MIN

ENVIRONMENT ONTARIO  
TORONTO  
WELLINGTON COUNTY

OBSERVATION WELL 532  
TOWNSHIP OF GUELPH

DIV. C 5 LOT 8

WELL REC #1 6701127  
UTM CO-ORDS: 2-17 F563198 N4825875  
LAT & LONG: 43-36 NORTH 80-13 WEST

REC METHOD: A35 RECORDER  
REC COMMCD: 4AP. 13 1978  
MEASURE DT: 3.85 METRES ABOVE GROUND SURFACE  
GND ELFV: 34.3 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN CLAY, STONES AND FINE GRAVEL 2.4; GREY CLAY AND GRAVEL 14.3; LIGHT BROWN BROKEN ROCK 16.8; DARK BROWN ROCK 18.3; BLACK ROCK 33.5; DARK GREY ROCK 36.6; LIGHT GREY ROCK 64.1; GREY AND BLUE ROCK 67.1; BLUE SHALE 67.1.

DIAMETER OF WELL: 30 CM  
LENGTH OF CASING: 20.1 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 67.1 METRES

PUMP RATE: 30 L/S  
SPEC. CAP: 0.007 L/S/M  
AQUIFER: 1 DOLomite  
QUALITY: 1 FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.02			-2.03	-1.85	-1.86	-1.64	-1.26	-0.88	-0.44			1
2				-2.05	-1.85	-1.85	-1.64	-1.29	-0.89	-0.43			2
3				-2.04	-1.87	-1.84	-1.64	-1.27	-0.87	-0.42			3
4				-2.08	-1.86	-1.83	-1.64	-1.27	-0.85	-0.39			4
5					-1.88	-1.82	-1.64	-1.28	-0.85	-0.41			5
6					-1.89	-1.80	-1.64	-1.26	-0.85	-0.41			6
7			0.19		-1.89	-1.80	-1.63	-1.25	-0.81	-0.40			7
8	0.07		0.09		-1.90	-1.80	-1.62	-1.23	-0.76	-0.37			8
9	0.08		-0.02		-1.89	-1.80	-1.60	-1.20	-0.72	-0.39			9
10	0.12		-0.17		-1.88	-1.83	-1.61	-1.21	-0.72	-0.40			10
11	0.16				-1.86	-1.81	-1.60	-1.16	-0.70	-0.42			11
12	0.17			-1.95	-1.84	-1.81	-1.57	-1.14	-0.68	-0.43			12
13	0.17			-1.97	-1.84	-1.80	-1.56	-1.13	-0.67	-0.41			13
14				-2.12	-1.84	-1.80	-1.53	-1.12	-0.67	-0.39			14
15				-2.38	-1.85	-1.79	-1.50	-1.09	-0.66	-0.41			15
16				-2.50	-1.86	-1.76	-1.47	-1.06	-0.64	-0.41			16
17				-2.48	-1.87	-1.76	-1.46	-1.04	-0.65	-0.42			17
18			-1.52	-2.41	-1.88	-1.73	-1.44	-1.04	-0.67	-0.40			18
19			-1.68	-2.30	-1.87	-1.72	-1.43	-1.00	-0.65	-0.42			19
20			-1.84	-2.16	-1.85	-1.72	-1.41	-0.97	-0.64	-0.42			20
21			-1.91	-2.05	-1.83	-1.72	-1.39	-0.96	-0.63	-0.40			21
22			-1.97	-1.98	-1.82	-1.70	-1.35	-0.93	-0.60	-0.39			22
23			-2.02	-1.93	-1.82	-1.66	-1.31	-0.93	-0.56	-0.43			23
24			-2.04	-1.88	-1.82	-1.65	-1.31	-0.94	-0.55	-0.42			24
25			-2.04	-1.88	-1.83	-1.64	-1.30	-0.92	-0.55	-0.39			25
26				-1.89	-1.84	-1.63	-1.29	-0.91	-0.52	-0.38			26
27				-1.87	-1.83	-1.63	-1.28	-0.92	-0.50				27
28				-1.86	-1.83	-1.63	-1.27	-0.92	-0.49				28
29				-1.86	-1.84	-1.64	-1.25	-0.92	-0.47				29
30			-1.97	-1.87	-1.85	-1.64	-1.24	-0.90	-0.45				30
31			-2.01		-1.85		-1.26	-0.88					31
-MONTHLY SUMMARY-													
MEAN				-1.85	-1.85	-1.75	-1.47	-1.08	-0.67				MEAN
INST				-1.91	-1.86	-1.65	-1.30	-0.91					INST
MAX				( 8 )	( 1 )	( 4 )	( 2 )	( 2 )					MAX
INST				-1.80	-1.61	-1.23	-0.86	-0.41					INST
MIN				(22)	(27)	(29)	(31)	(30)					MIN

ENVIRONMENT ONTARIO  
TORONTO  
WELLINGTON COUNTY

OBSERVATION WELL 131  
TOWNSHIP OF PUSLINCH

CONC. 11 LOT 4

WELL REC #1 6702809  
UTM CO-ORDS: 2-17 E568056 N4822756  
LAT & LONG: 43-34 NORTH 80-10 WEST

REC METHOD: 1F1 TYPE RECORDER  
REC COMMCD: FER 2 1965  
MEASURE DT: 0.9 METRES ABOVE GROUND SURFACE  
GND FLEV: 340 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: LDM 0.3; GRAVEL, SAND AND BOULDERS 1.5; GRAVEL, CLAY AND BOULDERS 8.2; SAND, GRAVEL, CLAY 9.8; SAND 11.1; DARK HARD SHALE 16.2; GREY LIMESTONE 34.5; VFRY SOFT LIMESTONE 35.1; GREY LIMESTONE 38.7; VERY SOFT LIMESTONE 40; HARD GREY LIMESTONE 42.1.

DIAMETER OF WELL: 30 CM  
LENGTH OF CASING: 12.4 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 42.1 METRES

PUMP RATE: 53 L/S  
SPEC. CAP: 3.2 L/S/M  
AQUIFER: 1 LIMESTONE  
QUALITY: 1 FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		15.57	14.95	14.06	14.09	14.19	14.28		14.49				1
2		15.62	15.68	14.23	14.11	14.21	14.29		14.47	14.87			2
3		14.65		14.03	14.09	14.22	14.30		14.62	15.33			3
4		14.96			14.10	14.22	14.31		14.95	14.90			4
5		15.42			14.10	14.24	14.32		14.67	15.10		15.09	5
6		15.65			14.11	14.24	14.33		14.73	14.77		14.86	6
7		15.91			14.12	14.24	14.34		14.60	14.73		14.66	7
8		16.33			14.13	14.25	14.34		14.51	14.46		14.85	8
9		15.56			14.14	14.24	14.32		14.51	14.98		14.48	9
10		15.03	14.69		14.16	14.20	14.38		14.60	15.02		15.16	10
11		14.93	15.36	14.53	14.18	14.28	14.34		14.75	14.91		15.02	11
12		15.46	15.54	14.41	14.18	14.24	14.34		14.55	15.06		15.16	12
13		16.26	15.56	14.37		14.26	14.76		14.71	15.09		15.11	13
14		16.36	14.50	13.87		14.32	14.39		14.63	14.95		14.85	14
15		16.40		13.79		14.28	14.36	14.49		15.14		15.23	15
16		16.44		13.63		14.27	14.36	14.50		15.16		14.23	16
17		16.48		14.32	14.15	14.28	14.37	14.49		15.23		14.41	17
18		14.88		13.90	14.16	14.43	14.76	14.48		15.32		15.60	18
19		16.16		13.91	14.16	14.37	15.20	14.48		15.37		15.38	19
20		16.38		13.92	14.18	14.33	15.45	14.49		15.04		15.19	20
21		16.41	14.37	13.94	14.52	14.36	15.27	14.49		15.16		14.96	21
22		16.45	14.08	13.97	14.68	14.33		14.49		14.96		15.07	22
23		16.42	14.04	13.99	14.20	14.31		14.48		15.10		14.14	23
24		14.80	14.00	14.01	14.19	14.32		14.43		14.49		14.55	24
25		14.57	14.00	14.01	14.18	14.33		14.45		15.18		13.90	25
26		15.50	14.65	14.01	14.15	14.57		14.46		15.01		13.89	26
27		15.17	14.10	14.01	14.14	14.95		14.47		15.38		13.91	27
28		14.58	14.10	14.02	14.15	14.33		14.47		14.64		13.91	28
29			14.10	14.05	14.16	14.31		14.47		15.84		13.91	29
30	15.62		14.07	14.06	14.16	14.29		14.48		16.48		13.92	30
31	15.09		14.05		14.17			14.49		16.84		13.93	31
-MONTHLY SUMMARY-													
MEAN		15.66			14.31								MEAN
INST		14.50				14.17							INST
MAX		( 4 )				( 1 )							MAX
INST		16.49				15.80							INST
MIN		( 17 )				( 27 )							MIN

ENVIRONMENT ONTARIO  
TORONTO  
WELLINGTON COUNTY

OBSERVATION WELL 213  
TOWNSHIP OF PUSLINC  
CONC. 10 LOT 4

WELL REC #1 6704351  
UTM CO-ORDS: Z-17 E567300 N4822500  
LAT & LONG: 43-33NORTH 80-10WEST

REC METHOD: A35 TYPE RECORDER  
REC COMMO: MAR 19 1968  
MEASURE PT: 0.0 METRES ABOVE GROUND SURFACE  
GND ELEV: 320 METRES ABOVE SEA LEVEL  
WELL TYPE: OUG  
WELL LOG: CLAY AND BOULDERS 1.8; COARSE GRAVEL 3.4.

DIAMETER OF WELL: 51 CM  
LENGTH OF CASING: 3.4 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 3.4 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: OVERBURDEN  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		2.86			2.83	2.82	2.79	2.78	2.79	2.82	2.84		1
2		2.86			2.83	2.81	2.79	2.78	2.79	2.82	2.84		2
3		2.86			2.83	2.81	2.79	2.78	2.79	2.82			3
4		2.87			2.83	2.81	2.79	2.78	2.79	2.82			4
5		2.87			2.83	2.81	2.79	2.78	2.79	2.82			5
6		2.86			2.83	2.81	2.79	2.78	2.79	2.82		2.85	6
7		2.87			2.83	2.81	2.79	2.78	2.79	2.83		2.85	7
8		2.87			2.83	2.81	2.79	2.78	2.80	2.83		2.85	8
9		2.87			2.83	2.80	2.79	2.78	2.80	2.83		2.85	9
10		2.87			2.83	2.80	2.79	2.78	2.80	2.83		2.85	10
11		2.87		2.85		2.80	2.79	2.78	2.80	2.83		2.85	11
12		2.86		2.85		2.80	2.79	2.78	2.80	2.83		2.85	12
13		2.86		2.85		2.80	2.79	2.78	2.80	2.83		2.85	13
14		2.86		2.85		2.80	2.79	2.78	2.80	2.83		2.85	14
15		2.86		2.84	2.83	2.80	2.79	2.78	2.80	2.83		2.85	15
16		2.86		2.84	2.83	2.80	2.79	2.78	2.81	2.83		2.85	16
17		2.86		2.84	2.83		2.79	2.79	2.81	2.83		2.85	17
18		2.86		2.84	2.83		2.79	2.79	2.81	2.83		2.85	18
19		2.86		2.84	2.83	2.80	2.79	2.79	2.81	2.84		2.85	19
20		2.86		2.84	2.83	2.79	2.79	2.79	2.81	2.84		2.85	20
21		2.86		2.84	2.83	2.79		2.79	2.81	2.84		2.86	21
22		2.86		2.84	2.82	2.79		2.79	2.81	2.84		2.86	22
23		2.86		2.84	2.82	2.79		2.79	2.81	2.84		2.85	23
24		2.86		2.84	2.82	2.79		2.79	2.82	2.84		2.85	24
25		2.86		2.84	2.82	2.79		2.79	2.82	2.84		2.85	25
26		2.86		2.84	2.82	2.79		2.79	2.82	2.84			26
27		2.86		2.84	2.82	2.79		2.79	2.82	2.84			27
28		2.85		2.84	2.82	2.79	2.78	2.79	2.82	2.84			28
29				2.83	2.82	2.79	2.78	2.79	2.82	2.84			29
30	2.86			2.83	2.82	2.79	2.78		2.82	2.84			30
31	2.86				2.82		2.78	2.79		2.84			31

-MONTHLY SUMMARY-

MEAN	2.86								2.80	2.83			MEAN
INST	2.85								2.79	2.82			INST
MAX	(28)								(1)	(1)			MAX
INST	2.87								2.82	2.84			INST
MIN	(9)								(30)	(31)			MIN

ENVIRONMENT ONTARIO  
TORONTO  
WELLINGTON COUNTY

OBSERVATION WELL 397  
TOWNSHIP OF PUSLINC  
CONC. 9 LOT 4

WELL REC #1 6702699  
UTM CO-ORDS: Z-17 E566100 N4821250  
LAT & LONG: 43-34NORTH 80-11WEST

REC METHOD: A35 RECORDER  
REC COMMO: JUL 25 1973  
MEASURE PT: 1.1 METRES ABOVE GROUND SURFACE  
GND ELEV: 229 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: TOPSOIL 0.6; DIRTY SAND AND GRAVEL 1.8; GRAVEL AND CLAY 6.4; BROWN LIMESTONE 8.8; GREY LIMESTONE 19.8.

DIAMETER OF WELL: 25 CM  
LENGTH OF CASING: 6.7 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 19.8 METRES

PUMP RATE: 91.2 L/S  
SPEC. CAP: 3.24 L/S/M  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		1.86											1
2		1.88											2
3		1.90											3
4	1.36	1.91											4
5	1.37	1.94											5
6	1.37	1.95											6
7	1.37	1.96											7
8	1.38	1.98											8
9	1.40	2.00											9
10	1.42	2.03											10
11		1.44											11
12		1.45											12
13		1.45											13
14		1.48											14
15		1.50											15
16		1.52											16
17		1.55											17
18		1.56											18
19													19
20													20
21													21
22													22
23													23
24													24
25	1.73												25
26	1.76												26
27	1.78												27
28	1.79												28
29	1.81												29
30	1.84												30
31	1.84												31

-MONTHLY SUMMARY-

MEAN													MEAN
INST													INST
MAX													MAX
INST													INST
MIN													MIN

ENVIRONMENT ONTARIO

TORONTO

WELLINGTON COUNTY

OBSERVATION WELL 544

TOWNSHIP OF OUSLINCH

CONC. 7

LOT 7

WELL REC #: 6702440

UTM CO-ORD: 7-17 E564663 N4817366

LAT & LONG: 43-30 NORTH 80-12 WEST

REC METHOD: IF: TYPE RECORDER

REC COMCD: JUL. 27 1977

MEASURE DT: 0.0 METRES ABOVE GROUND SURFACE

GND ELEV: 331 METRES ABOVE SEA LEVFL

WELL TYPE: DRILLED

WELL LOG: STONES AND GRAVEL 6.1% GRAVEL 7% FINE CLAY, SAND AND STONES 13.1% LIGHT BROWN BROKEN ROCK 13.7% LIGHT BROWN ROCK 99% DARK BROWN ROCK 41.2% DARK GRAY ROCK 53.4% LIGHT GRAY ROCK 71.7% GRAY AND BLUE LIMESTONE 82.4% BLUE SHALE 82.7

DIAMETER OF WELL: 30 CM

LENGTH OF CASING: 13.7 METRES

LENGTH OF SCREEN: NONE

DEPTH OF WELL: 82.7 METRES

PUMP RATE: 8 L/S

SPEC. CAP: 0.013 L/S/M

AQUIFER: LIMESTONE

QUALITY: FRESH

1979													
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
													1
1		2.28											2
2		2.32											3
3		2.32											4
4		2.32											5
5		2.29											6
6		2.31											7
7		2.34											8
8		2.32											9
9		2.30											10
10		2.32											11
11		2.35											12
12		2.34											13
13		2.32											14
14		2.34											15
15		2.35											16
16													17
17													18
18													19
19													20
20		2.34											21
21		2.35											22
22		2.39											23
23		2.37											24
24													25
25													26
26													27
27													28
28													29
29													30
30	2.32												31
31	2.32												
-MONTHLY SUMMARY-													
MEAN													MEAN
INST													INST
MAX													MAX
INST													INST
MIN													MIN

OBSERVATION WELL 124  
TOWNSHIP OF BRANTFORD

1979

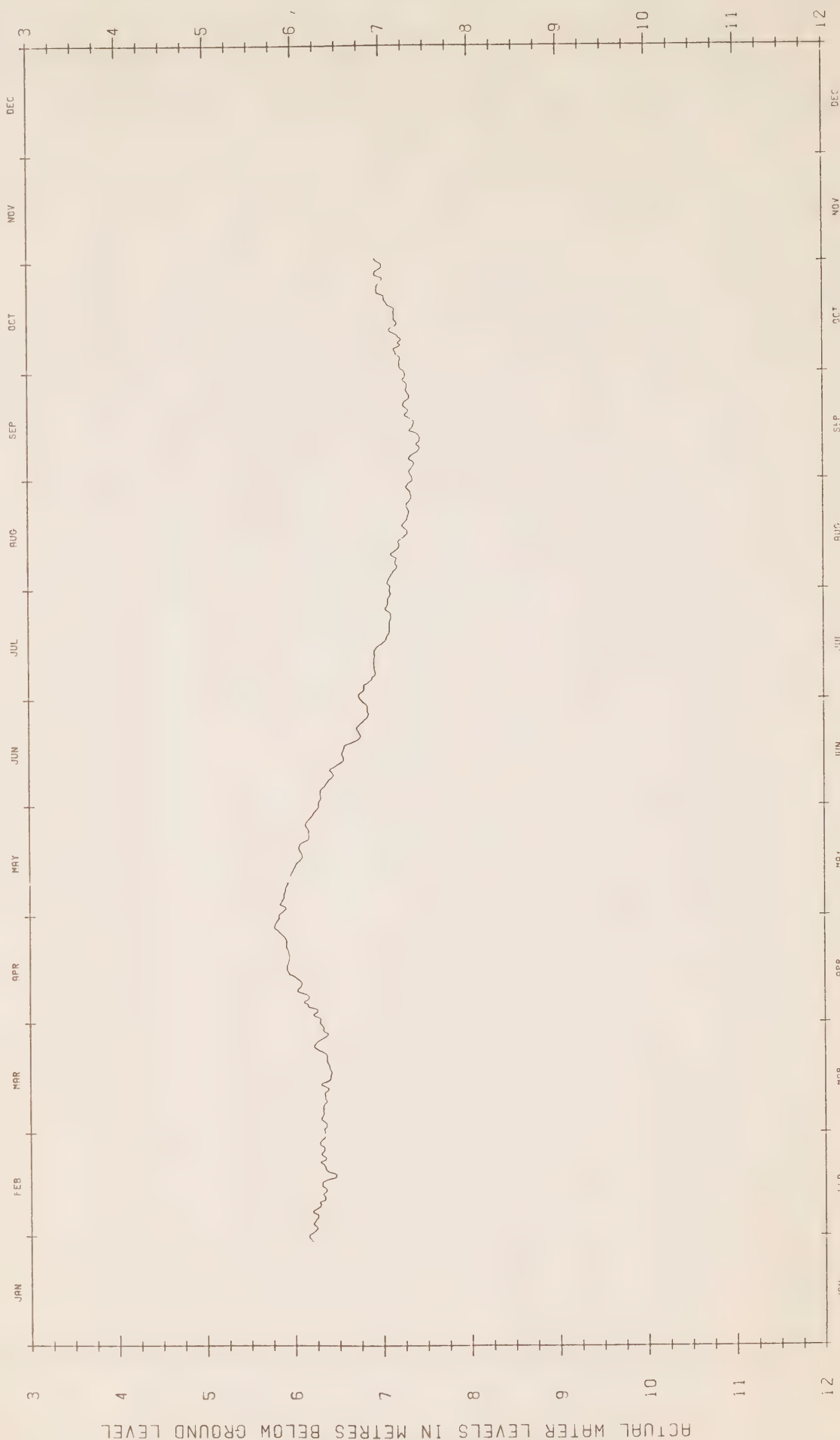
ENVIRONMENT ONTARIO



OBSERVATION WELL 064  
TOWNSHIP OF N. CAYUGA

1979

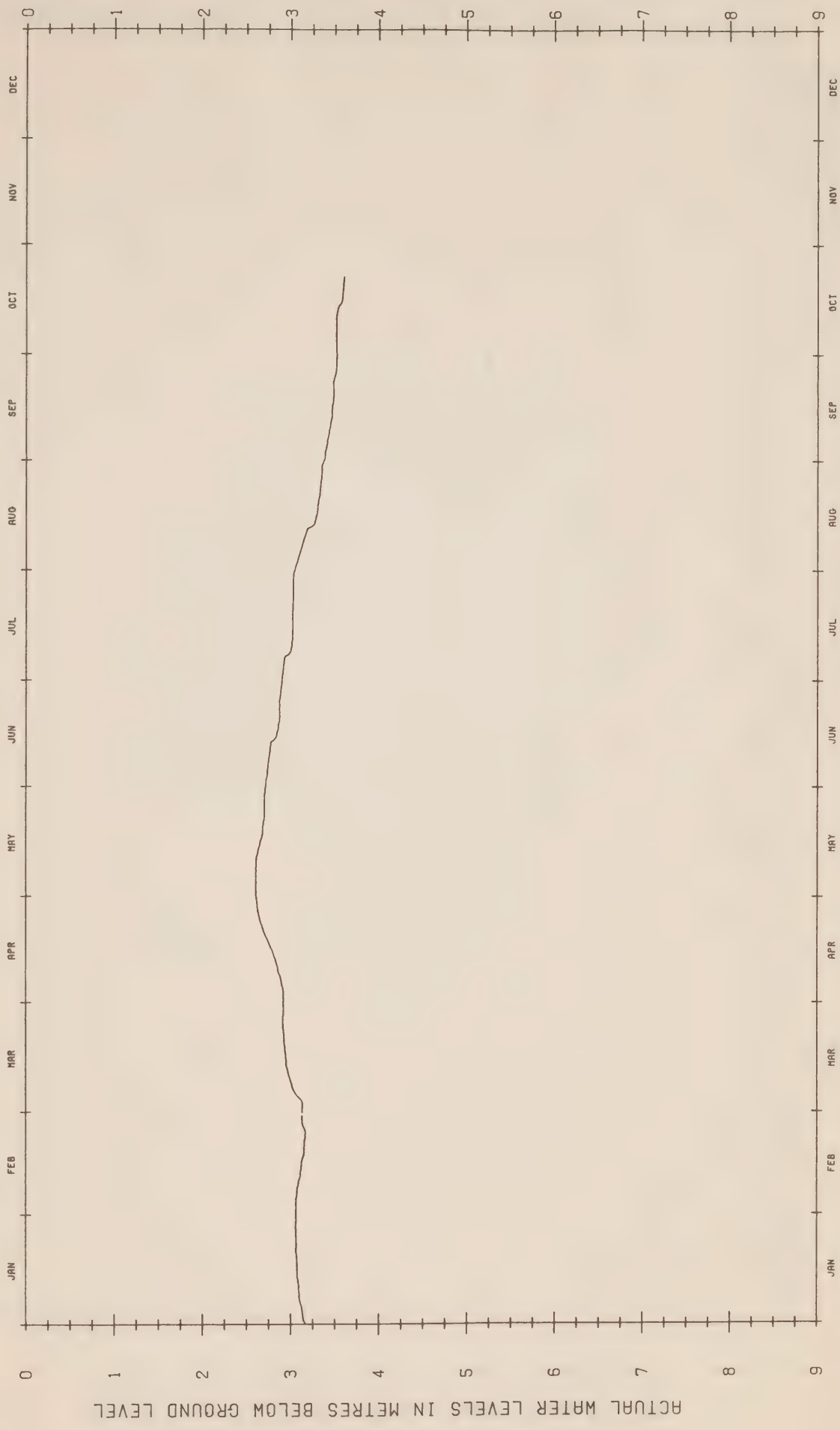
ENVIRONMENT ONTARIO



ENVIRONMENT ONTARIO

1979

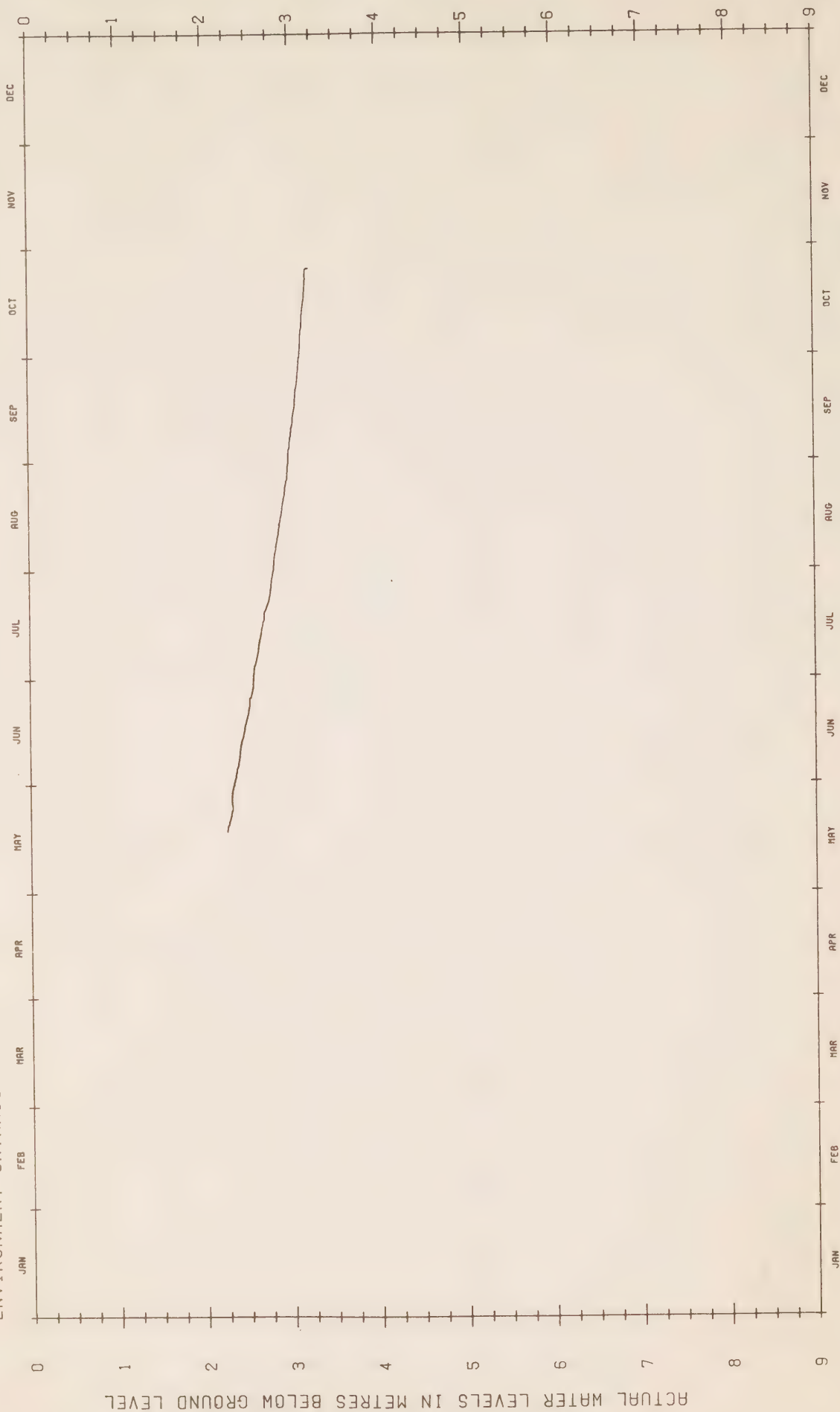
OBSERVATION WELL 138  
TOWNSHIP OF S. WALSHINGHAM



OBSERVATION WELL 408  
TOWNSHIP OF S. WALSINGHAM

1979

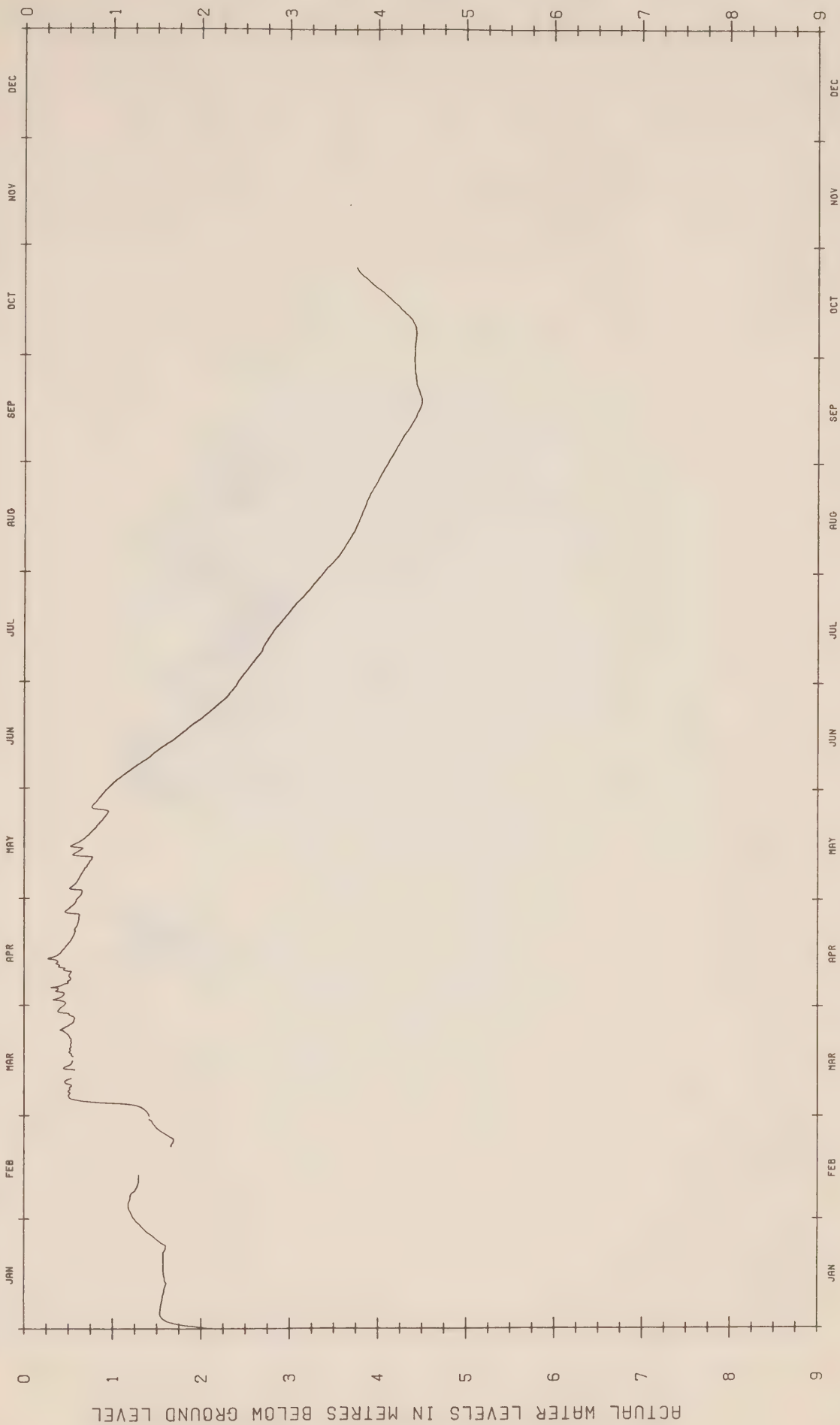
ENVIRONMENT ONTARIO



OBSERVATION WELL 545  
TOWNSHIP OF TOWNSEND

1979

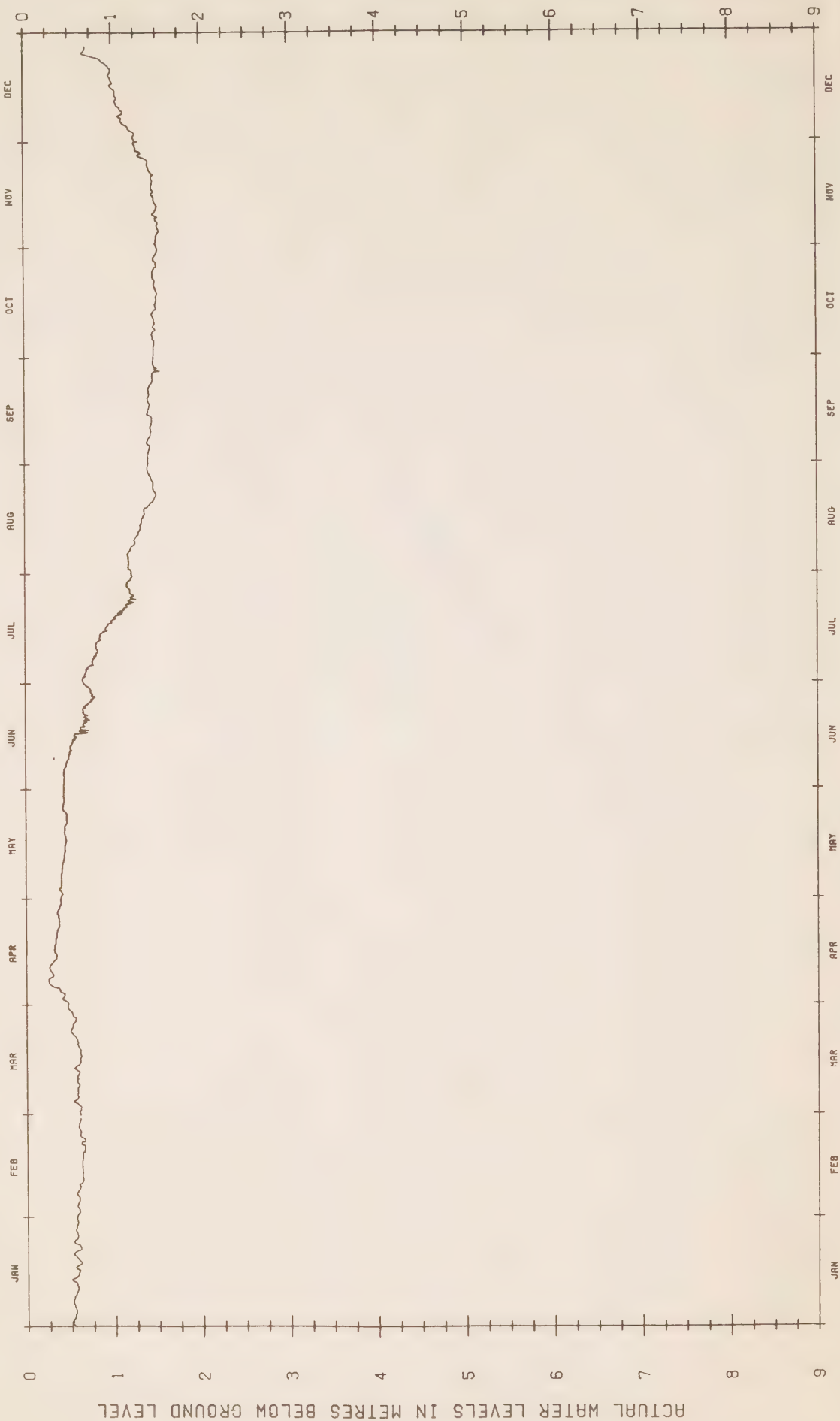
ENVIRONMENT ONTARIO



OBSERVATION WELL 399  
TOWNSHIP OF N. GRIMSBY

1979

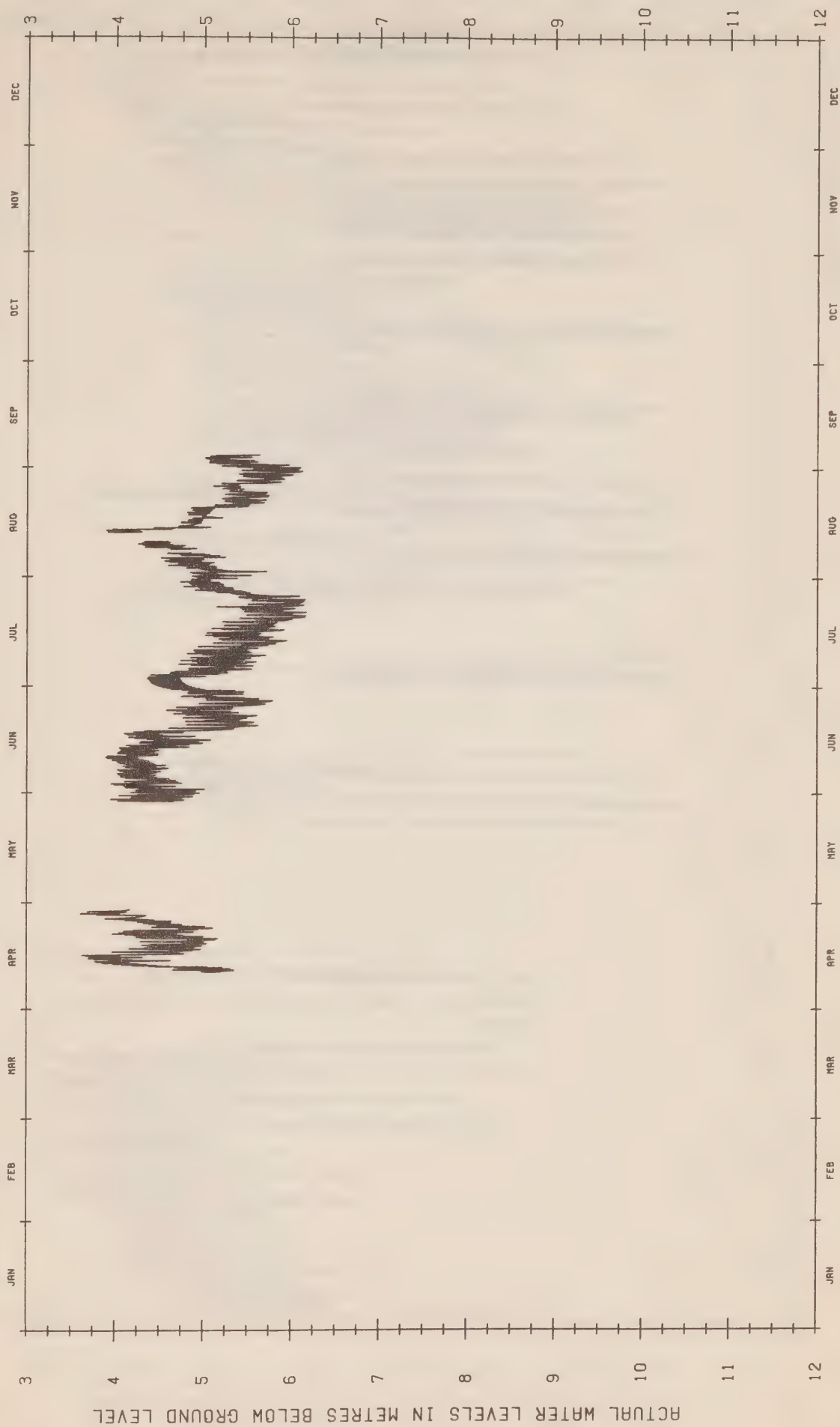
ENVIRONMENT ONTARIO



OBSERVATION WELL 033  
TOWN OF ELMIRA

1979

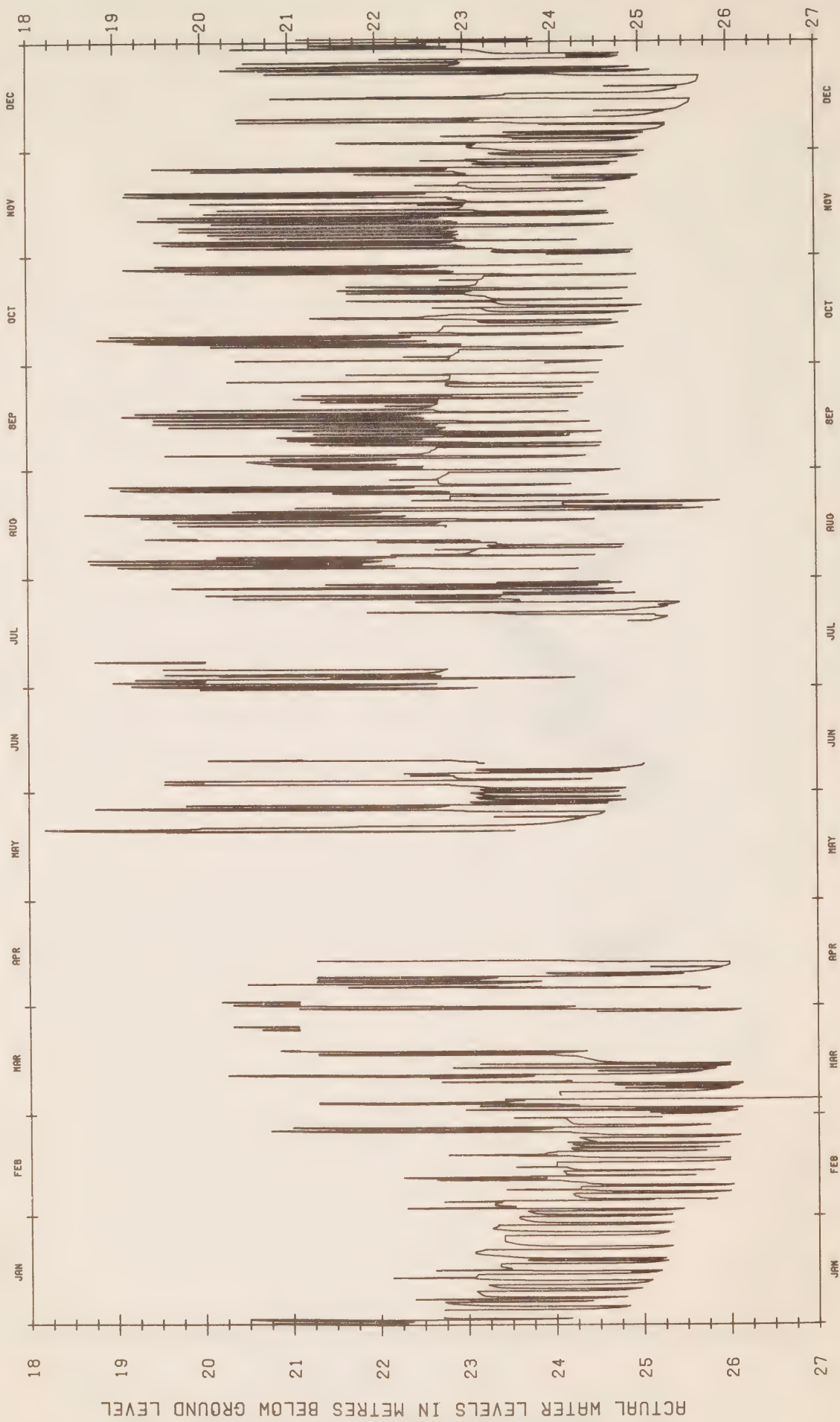
ENVIRONMENT ONTARIO



OBSERVATION WELL 082  
CITY OF KITCHENER

1979

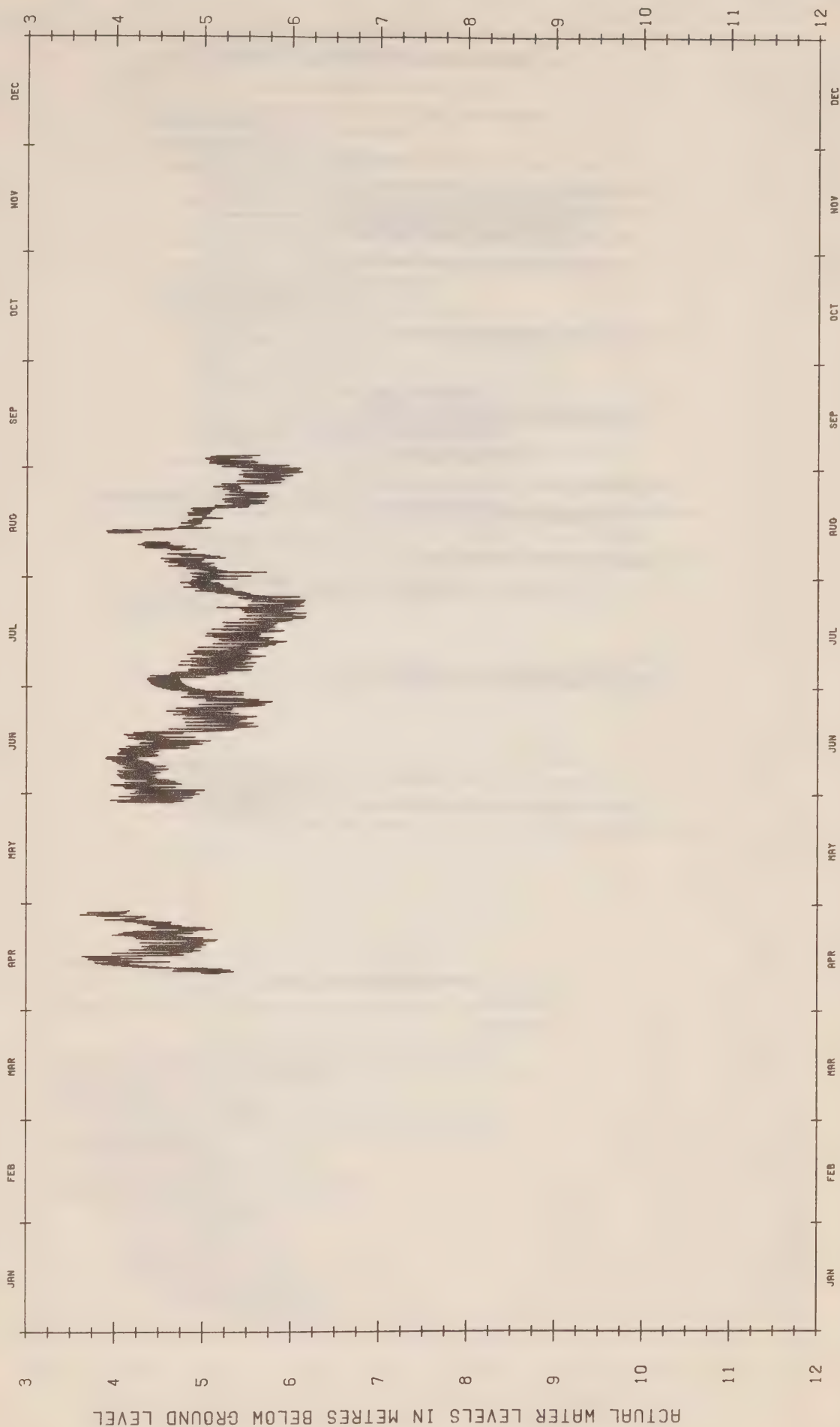
ENVIRONMENT ONTARIO



OBSERVATION WELL 033  
TOWN OF ELMIRA

1979

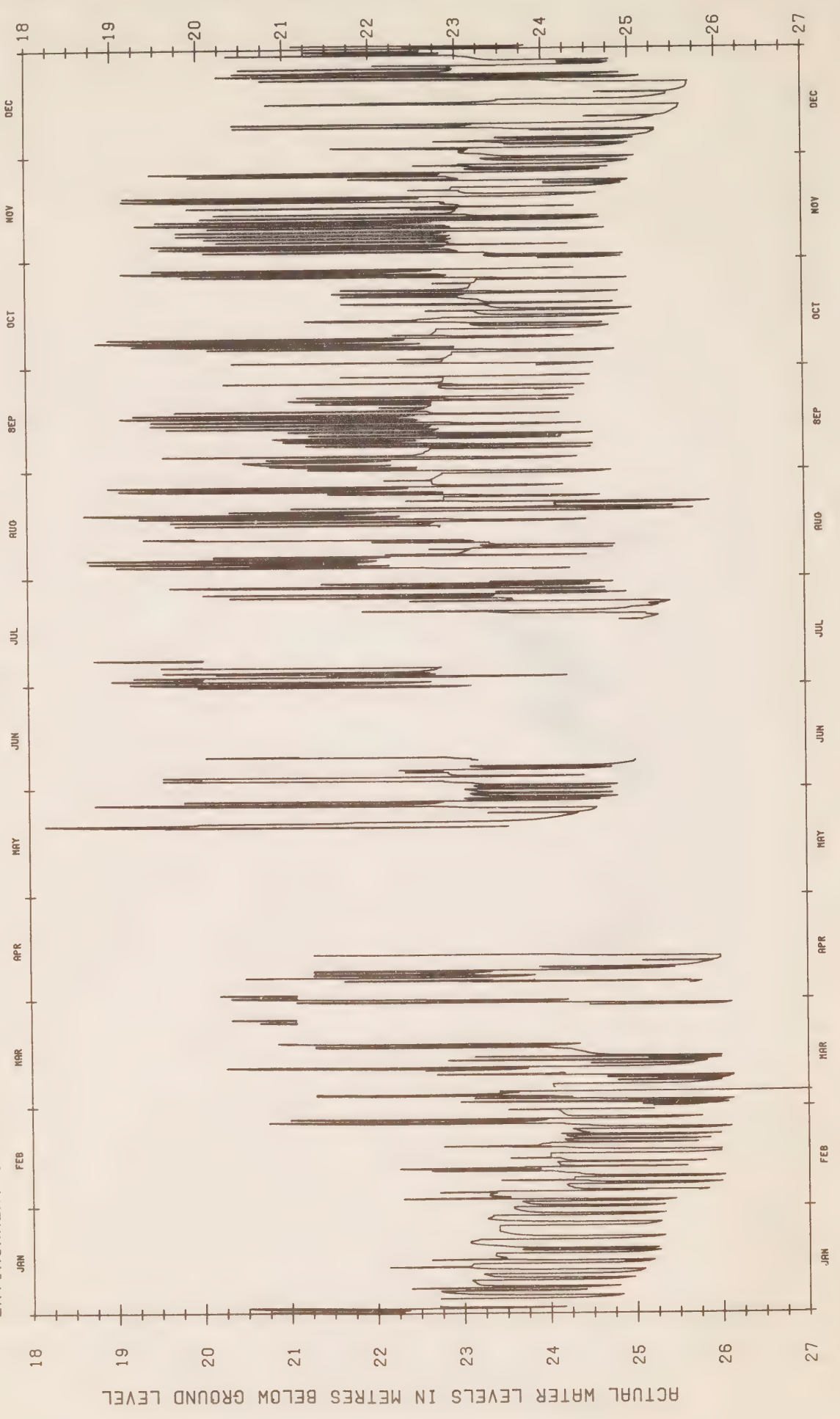
ENVIRONMENT ONTARIO



OBSERVATION WELL 082  
CITY OF KITCHENER

1979

ENVIRONMENT ONTARIO



ENVIRONMENT ONTARIO

1979

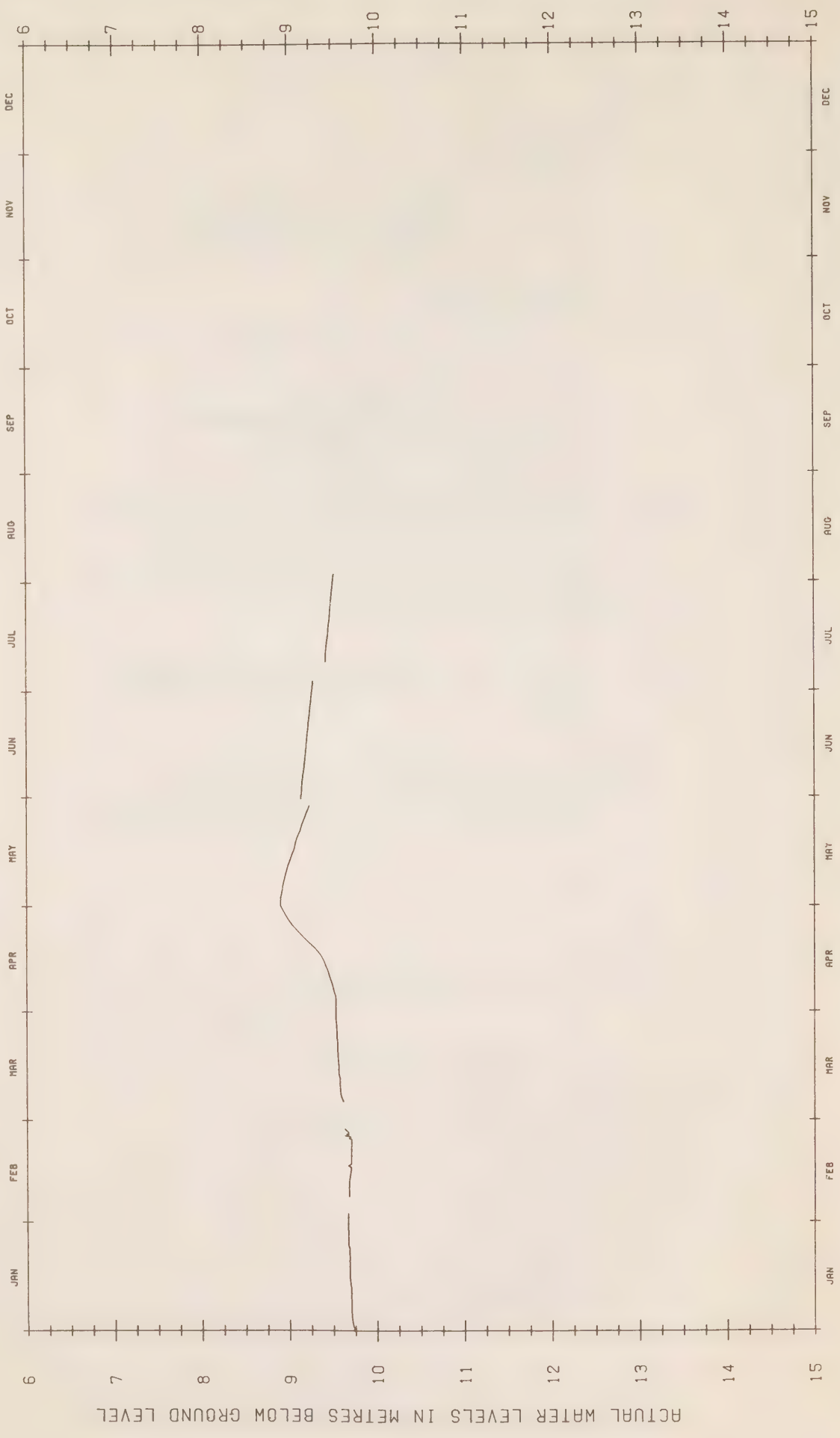
OBSERVATION WELL 514  
TOWNSHIP OF WILMOT



OBSERVATION WELL 524  
TOWNSHIP OF WILMOT

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL 432  
TOWNSHIP OF ERIN

1979

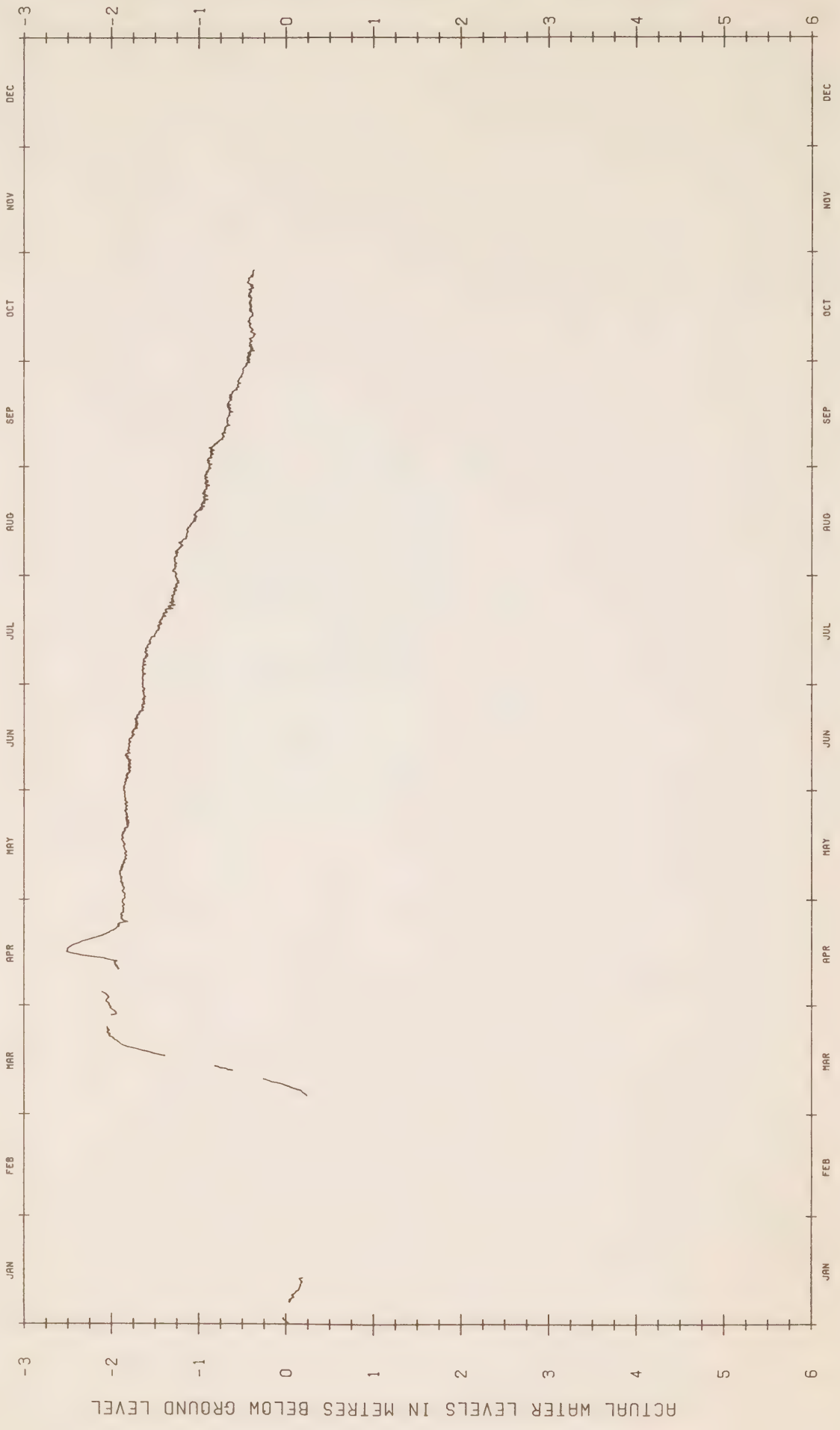
ENVIRONMENT ONTARIO



OBSERVATION WELL 532  
TOWNSHIP OF GUELPH

1979

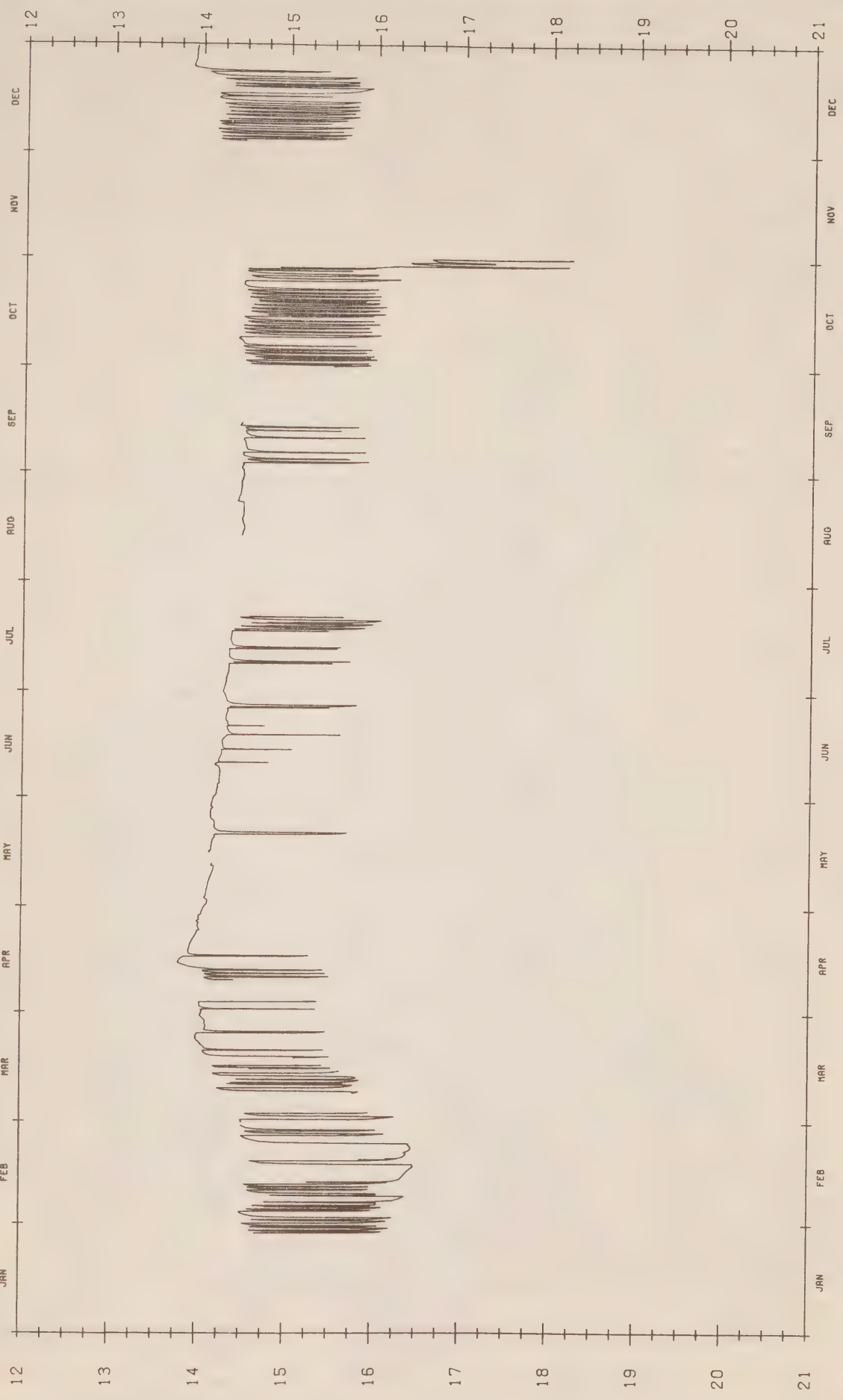
ENVIRONMENT ONTARIO



OBSERVATION WELL 131  
TOWNSHIP OF PUSLINCH

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL 213  
TOWNSHIP OF PUSLINCH

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL DATA

REGIONAL OFFICE

DON MILLS  
 150 Ferrand Dr.  
 416-424-3000

DISTRICT OFFICES

Barrie

12 Fairview Rd.  
 705-726-1730

Muskoka - Haliburton  
 Gravenhurst Shopping  
 Centre

705-687-3408

Peterborough

139 George St. N.  
 705-743-2972

Halton - Peel

125 Cross Ave. Oakville  
 416-822-2566

LEGEND

Regional Office

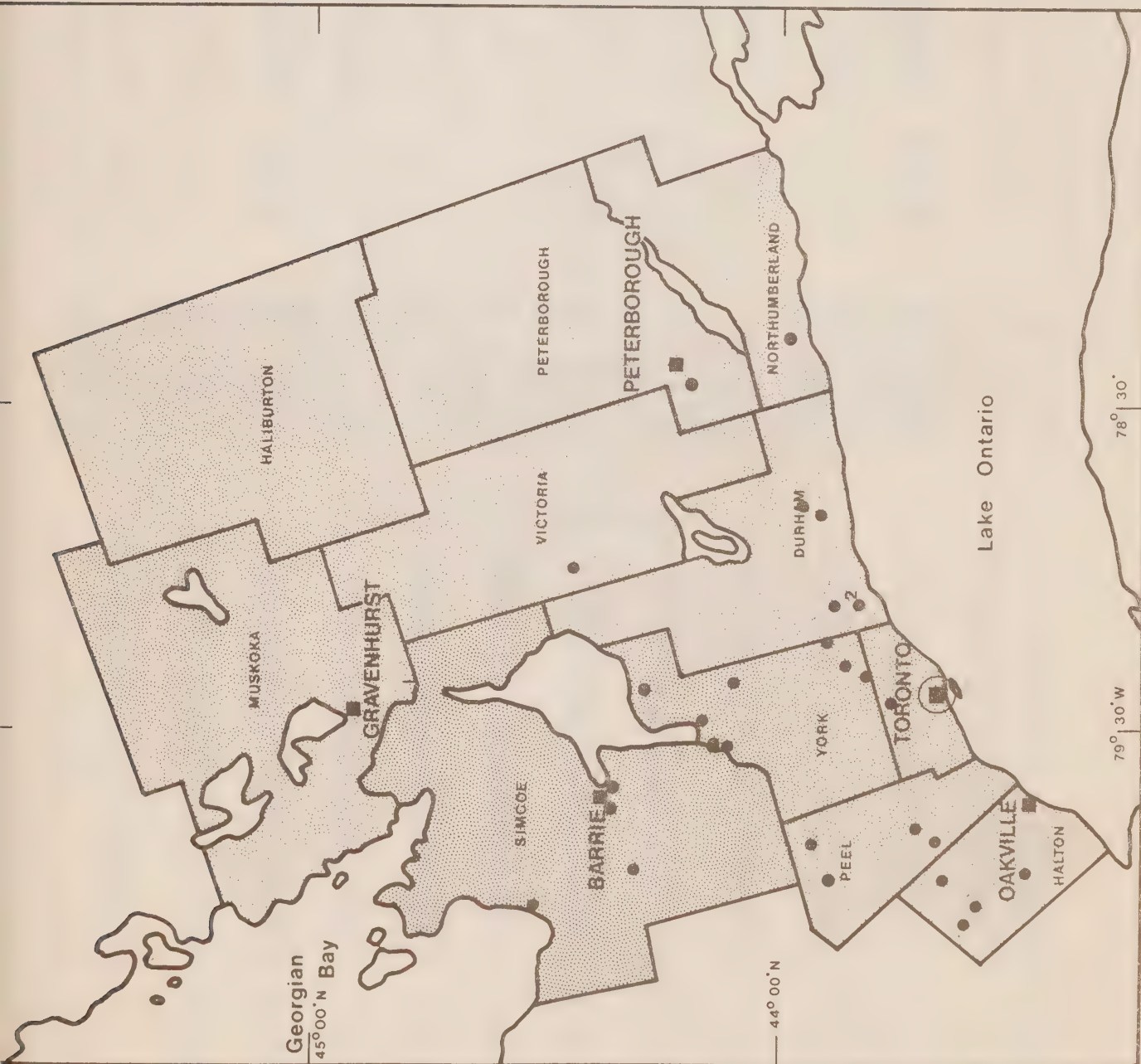
District Office

Recording Observation Well

Number of Recording Wells  
 in same location

Manually Measured Well

Number of Manually Measured Wells  
 in same location



ENVIRONMENT ONTARIO

TORONTO

REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 526

TOWNSHIP OF CLAPKE

CONC. 10

LOT 2A

WELL REC #1 1902683

UTM CO-ORD1 Z=17 E487880 N4881670

LAT & LONG1 43-55NORTH 78-37WEST

PEC METHOD1 A35 RECORDER

PEC COMMOD1 FEH. 27 196A

MEASURE PT1 0.8 METRES ABOVE GROUND SURFACE

GND FLEV1 364 METRES ABOVE SEA LEVEL

WELL TYPE1 DRILLED

WELL LOG1 OTTAWA SAND, GRAVEL AND BOULDERS 6.11 SAND AND GRAVEL 58.61 GREY SILTY TILL 60.71 SAND AND GRAVEL WITH SOME SILT LENSES 88.51 SILTY SANDY TILL 102.21 FINE TO MEDIUM SAND WITH SILTY LENSES AT ONE HUNDRED TEN METRES 113.31 SILTY SANDY TILL 116.81 SAND AND GRAVEL 119.31 SILTY CLAY 122.31 SILTY SAND AND GRAVEL 122.9.

DIAMETER OF WELL1 15 CM

LENGTH OF CASING1 116.6 METRES

LENGTH OF SCREEN1 1.2 METRES

DEPTH OF WELL1 117.7 METRES

PUMP RATE1 0.8 L/S

SPEC. CAP1 N.A.

AQUIFER 1 SAND AND GRAVEL

QUALITY 1 FRESH

1979

DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		54.59 E	55.17						54.52	54.46	54.50	54.66	1
2		54.60 E	55.18						54.50	54.46	54.51	54.69	2
3		54.58 E							54.50	54.46	54.51	54.67	3
4		54.53 E							54.53	54.47	54.54	54.62	4
5		54.52 E							54.52	54.45	54.56	54.59	5
6		54.53 E							54.48	54.44	54.52	54.47	6
7		54.48 E							54.50	54.44	54.51	54.53	7
8		54.46 E							54.53	54.48	54.50	54.67	8
9		54.47 E							54.54	54.47	54.51	54.68	9
10		54.45 E	54.35						54.50	54.48	54.51	54.67	10
11		54.45 E	54.21						54.52	54.46	54.56	54.62	11
12		54.52 E	54.18	54.24	53.90				54.52	54.43	54.57	54.64	12
13		55.15 E	54.16	54.28	53.85				54.50	54.46	54.37	54.67	13
14		55.30 E	54.09	54.33	54.01	54.68			54.47	54.52	53.82	54.67	14
15		55.33 E	54.16	54.32	54.49	54.66			54.51	54.50	53.75	54.66	15
16		55.36 E	54.17	54.30		54.65		54.19	54.53	54.51	54.31	54.63	16
17		55.41 E	54.16	54.18		54.63		54.13	54.52	54.50	54.45	54.66	17
18		55.37 E				54.64		54.40	54.41	54.51	54.52	54.66	18
19		55.28 E				54.67		54.49	54.41	54.49	54.56	54.66	19
20		55.23 E				54.64		54.52	54.46	54.47	54.57	54.69	20
21		55.22 E				54.57		54.52	54.47	54.48	54.62	54.68	21
22		55.28 E						54.50	54.50	54.49	54.60	54.66	22
23		55.25 E						54.51	54.53	54.46	54.59	54.65	23
24		55.23 E						54.29	54.52	54.47	54.62	54.45	24
25		55.24 E						54.46	54.33	54.50	54.63	53.86	25
26		55.17 E						54.52	54.24	54.52	54.56	53.79	26
27		55.16 E					54.77	54.51	54.24	54.52	54.62	53.77	27
28		55.17 E					54.64	54.51	54.36	54.47	54.60	53.75	28
29								54.50	54.45	54.52	54.62	53.73	29
30								54.51	54.46	54.56	54.63	53.70	30
31	54.62 E							54.53		54.54		53.71	31
-MONTHLY SUMMARY-													
MEAN		54.94							54.47	54.48	54.49	54.44	MEAN
INST		54.41							54.09	54.42	53.64	53.69	INST
MAX		(12)							(26)	(12)	(15)	(30)	MAX
INST		55.41							54.54	54.57	54.66	54.72	INST
MIN		(17)							( 9)	(30)	(30)	( 9)	MIN

ENVIRONMENT ONTARIO

TORONTO

REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 509

TOWNSHIP OF DARLINGTON

CONC. 7

LOT 21

WELL REC #1 1901733

UTM CO-ORD1 Z=17 E678301 N4874336

LAT & LONG1 44-01NORTH 78-47WEST

PEC METHOD1 A35 RECORDER

PEC COMMOD1 AUG. 11 1966

MEASURE PT1 0.90 METRES ABOVE GROUND SURFACE

GND ELEV1 198 METRES ABOVE SEA LEVEL

WELL TYPE1 DRILLED

WELL LOG1 SANDY TILL (LFACHED ZONE) 4.31 SAND AND GRAVEL 4.61 SILTY TILL 11.6.

DIAMETER OF WELL1 15 CM

LENGTH OF CASING1 4.6 METRES

LENGTH OF SCREEN1 1.5 METRES

DEPTH OF WELL1 6.1 METRES

PUMP RATE1 N.A.

SPEC. CAP1 N.A.

AQUIFER 1 SILTY TILL

QUALITY 1 FRESH

1979

DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.16		2.21	1.94	2.04	2.24	2.30	2.40	2.30	2.34	2.22	1.98	1
2	2.07		2.21	1.92	2.06	2.25	2.28	2.36	2.31	2.35	2.22	2.03	2
3	2.08		2.19	1.74	2.07	2.26	2.28	2.25	2.31	2.34	2.22	2.06	3
4	2.12		2.14	1.73	2.04	2.26	2.29	2.24	2.32	2.34	2.23	2.08	4
5	2.16		2.03	1.78	2.02	2.27	2.31	2.26	2.33	2.32	2.24	2.10	5
6	2.21		1.96	1.75	2.02	2.28	2.32	2.27	2.33	2.29	2.24	2.11	6
7	2.19		1.98	1.75	2.03	2.28	2.33	2.28	2.34	2.25	2.24		7
8	2.23		1.99	1.80	2.04	2.29	2.34	2.28	2.34	2.23	2.23		8
9	2.24		2.00	1.85	2.06	2.29	2.35	2.29	2.35	2.22	2.23		9
10	2.25		1.96	1.90	2.09	2.30	2.36	2.29	2.35	2.19	2.21		10
11	2.26		1.94	1.93	2.11	2.29	2.36	2.30	2.34	2.19	2.17		11
12	2.27		1.99	1.95	2.12	2.27	2.36	2.31	2.34	2.18	2.17		12
13	2.28		2.04	1.98	2.12	2.27	2.36	2.31	2.34	2.17	2.17		13
14	2.28		1.99	1.96	2.12	2.28	2.37	2.32	2.32	2.16	2.17		14
15	2.28		1.92	1.88	2.13	2.30	2.37	2.33	2.27	2.16	2.18		15
16	2.27		1.97	1.86	2.14	2.31	2.38	2.33	2.26	2.18	2.18		16
17	2.27		2.03	1.90	2.15	2.31	2.38	2.34	2.26	2.20	2.18		17
18	2.28		2.02	1.94	2.16	2.32	2.39	2.34	2.27	2.21	2.19		18
19	2.28		1.96	1.98	2.17	2.33	2.39	2.34	2.28	2.22	2.19		19
20	2.28		1.92	2.00	2.18	2.34	2.40	2.33	2.30	2.22	2.20		20
21	2.28		1.90	2.02	2.18	2.35	2.40	2.34	2.30	2.21	2.20		21
22	2.28		1.90	2.05	2.19	2.35	2.40	2.34	2.31	2.19	2.20	2.24	22
23	2.29		1.91	2.06	2.19	2.35	2.41	2.35	2.32	2.19	2.13	2.19	23
24	2.29		1.91	2.08	2.20	2.35	2.41	2.34	2.33	2.19	2.04	2.10	24
25	2.19		1.88	2.09	2.21	2.35	2.41	2.32	2.34	2.19	1.98	1.98	25
26	2.12		1.88	2.10	2.21	2.35	2.41	2.31	2.34	2.21	1.96	1.83	26
27	2.12		1.94	2.05	2.20	2.36	2.41	2.31	2.34	2.21	1.85	1.82	27
28	2.13		1.99	2.00	2.21	2.36	2.41	2.31	2.34	2.22	1.83	1.85	28
29	2.14		2.02	2.00	2.22	2.36	2.40	2.30	2.35	2.22	1.88	1.85	29
30			2.02	2.02	2.23	2.35	2.39	2.30	2.34	2.22	1.93	1.84	30
31			1.98		2.23	2.39	2.39	2.30		2.22		1.85	31
-MONTHLY SUMMARY-													
MEAN			1.99	1.93	2.13	2.31	2.37	2.31	2.32	2.23	2.14		MEAN
INST			1.87	1.70	2.02	2.23	2.28	2.24	2.26	2.16	1.82		INST
MAX			(26)	( 3)	( 5)	( 1)	( 2)	( 3)	(15)	(13)	(27)		MAX
INST			2.21	2.10	2.24	2.36	2.42	2.41	2.35	2.35	2.24		INST
MIN			( 1)	(26)	(30)	(29)	(28)	( 2)	(11)	( 4)	( 6)		MIN

ENVIRONMENT ONTARIO  
 TORONTO  
 REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 405  
 TOWNSHIP OF PICKERING  
 CONC. 6 LOT 20

REC METHOD: A35 RECORDER  
 REC COMMCD: MAY 16 1974  
 MEASURE PT: 1.1 METRES ABOVE GROUND SURFACE  
 GND ELEV: 202 METRES ABOVE SEA LEVEL  
 WELL TYPE: DRILLED  
 WELL LOG: BROWN SANDY CLAY, GRAVEL 10.7% SAND, FINE GRAVEL, SILTY CLAY 12.2% GREY FINE SAND, SILT 24.4% GRAVEL, SAND, ROULDEPS 25% GREY CLAY, SAND 29.6.

WELL REC #1: 4605830  
 UTM CO-ORD: Z-17 F65160R N4864396  
 LAT & LONG: 43=55NORTH 79=06WEST

PUMP RATE: 1 L/S  
 SPEC. CAP: 0.01 L/S/M  
 AQUIFER: SAND AND GRAVEL  
 QUALITY: FRESH

1979													
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		9.08	9.20	8.99	8.43	8.36	8.57	8.91	9.16		9.50	9.58	1
2		9.13	9.21	8.92	8.45	8.35	8.59	8.90	9.15		9.49	9.60	2
3		9.14	9.22	8.92	8.36	8.34	8.66	8.93	9.13		9.50	9.60	3
4		9.08	9.17	8.94	8.32	8.32	8.68	8.94	9.18		9.54	9.47	4
5		9.07	9.17	8.77	8.34	8.33	8.70	8.95	9.20		9.57	9.42	5
6		9.13	9.18	8.74	8.35	8.37	8.75	8.96	9.17		9.52	9.40	6
7		9.11	9.18	8.87	8.34	8.42	8.75	8.96	9.13		9.50	9.46	7
8		9.06	9.18	8.85	8.30	8.44	8.74	8.95	9.20		9.50	9.52	8
9		9.13	9.18	8.68	8.29	8.44	8.71	9.00	9.25		9.50	9.58	9
10		9.15	9.16	8.72	8.29	8.41	8.69	8.96	9.25		9.49	9.52	10
11		9.16	9.13	8.82	8.29	8.39	8.69	8.97	9.21		9.57	9.46	11
12		9.16	9.15	8.77	8.29	8.46	8.72	9.00	9.25		9.58	9.47	12
13		9.13	9.16	8.67	8.29	8.51	8.74	9.01	9.25		9.56	9.53	13
14			9.06	8.56	8.29	8.52	8.75	8.99	9.28		9.55	9.50	14
15			9.19	8.52	8.29	8.51	8.75	9.03	9.32		9.53	9.49	15
16			9.22	8.53	8.32	8.48	8.78	9.07	9.25		9.55	9.40	16
17			9.20	8.55	8.38	8.47	8.82	9.07	9.22		9.54	9.45	17
18			9.16	8.55	8.31	8.48	8.82	9.03	9.22		9.56	9.46	18
19			9.13	8.55	8.23	8.57	8.82	9.03	9.27		9.60	9.46	19
20			9.11	8.54	8.20	8.59	8.82	9.06	9.27		9.60	9.49	20
21			9.09	8.51	8.20	8.54	8.82	9.07	9.28		9.63	9.49	21
22			9.09	8.49	8.27	8.50	8.82	9.07	9.26		9.58	9.42	22
23			9.02	8.51	8.28	8.51	8.84	9.07	9.28		9.57	9.40	23
24			8.95	8.50	8.24	8.57	8.85	9.06	9.31		9.59	9.38	24
25			8.95	8.44	8.22	8.63	8.84	9.08			9.62	9.33	25
26			9.03	8.39	8.20	8.64	8.82	9.13		9.53	9.51	9.37	26
27			9.10	8.35	8.22	8.61	8.86	9.12		9.53	9.55	9.38	27
28			9.11	8.41	8.29	8.60	8.89	9.12		9.44	9.54	9.36	28
29			8.99	8.45	8.31	8.60	8.90	9.11		9.49	9.55	9.27	29
30			9.00	8.45	8.32	8.58	8.90	9.11		9.56	9.55	9.17	30
31	9.10		8.97		8.35		8.90	9.15		9.56		9.14	31
-MONTHLY SUMMARY-													
MEAN		9.12	8.63	8.30	8.48	8.77	9.03				9.55	9.44	MEAN
INST MAX			8.93 (24)	8.34 (27)	8.20 (26)	8.32 (5)	8.57 (1)	8.89 (2)			9.45 (10)	9.14 (31)	INST MAX
INST MIN			9.24 (3)	9.00 (1)	8.45 (2)	8.64 (25)	8.90 (30)	9.16 (31)			9.63 (21)	9.62 (3)	INST MIN

ENVIRONMENT ONTARIO  
 TORONTO  
 REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 406  
 TOWN OF PICKERING  
 CONC. 8 LOT 24

REC METHOD: A35 RECORDER  
 REC COMMCD: MAY 24 1974  
 MEASURE PT: 1.1 METRES ABOVE GROUND SURFACE  
 GND ELEV: 242 METRES ABOVE SEA LEVEL  
 WELL TYPE: DRILLED  
 WELL LOG: HARD BROWN CLAY AND GRAVEL 3.1% HARD GREY CLAY AND GRAVEL 9.2% GREY FINE SAND 11.9% HARD PACKED GREY CLAY AND GRAVEL 13.2% PACKED GREY FINE SAND AND FINE GRAVEL 14% HARD PACKED GREY CLAY AND GRAVEL 15.6.

WELL REC #1: 4605833  
 UTM CO-ORD: Z-17 E646842 N4868419  
 LAT & LONG: 43=57NORTH 79=09WEST

PUMP RATE: 0.5 L/S  
 SPEC. CAP: 0.007 L/S/M  
 AQUIFER: FINE SAND  
 QUALITY: FRFSH

1979													
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.59	0.68	0.88	0.21	0.07	0.31	0.68	0.96	1.22	1.39	0.63	0.25	1
2	0.50	0.69	0.89	0.16	0.08	0.34	0.68	0.96	1.23	1.39	0.62	0.29	2
3	0.47	0.70	0.89	0.14	0.07	0.36	0.68	0.97	1.23	1.39	0.61	0.31	3
4	0.47	0.68	0.85	0.14	0.04	0.37	0.68	0.98	1.24	1.39	0.62	0.30	4
5	0.49	0.68	0.80	0.10	0.05	0.39	0.68	0.98	1.25	1.39	0.64	0.26	5
6	0.50	0.71	0.75	0.07	0.05	0.44	0.70	1.00	1.26	1.38	0.64	0.24	6
7	0.52	0.71	0.71	0.07	0.05	0.48	0.72	1.01	1.28	1.36	0.62	0.22	7
8	0.54	0.71	0.68	0.07	0.05	0.49	0.72	1.01	1.30	1.37	0.60	0.22	8
9	0.58	0.75	0.66	0.07	0.06	0.49	0.72	1.03	1.32	1.37	0.58	0.24	9
10	0.64	0.77	0.62	0.07	0.09	0.49	0.72	1.02	1.32	1.36	0.52	0.25	10
11	0.69	0.80	0.59	0.07	0.11	0.48	0.73	1.02	1.32	1.33	0.53	0.25	11
12	0.71	0.81	0.59	0.08	0.13	0.52	0.74	1.05	1.33	1.26	0.54	0.23	12
13	0.70	0.82	0.57	0.08	0.11	0.55	0.75	1.06	1.33	1.22	0.53	0.23	13
14	0.65	0.83	0.52	0.05	0.11	0.57	0.76	1.06	1.30	1.21	0.53	0.24	14
15	0.72	0.83	0.56	0.04	0.10	0.57	0.78	1.08	1.31	1.16	0.51	0.28	15
16	0.76	0.85	0.57	0.04	0.09	0.57	0.81	1.11	1.33	1.13	0.49	0.28	16
17	0.76	0.92	0.57	0.05	0.11	0.58	0.84	1.12	1.33	1.11	0.49	0.32	17
18	0.76	0.94	0.57	0.06	0.12	0.62	0.84	1.11	1.33	1.08	0.49	0.36	18
19	0.80	0.90	0.54	0.09	0.14	0.67	0.85	1.11	1.32	1.05	0.49	0.38	19
20	0.78	0.90	0.49	0.11	0.17	0.69	0.87	1.12	1.33	0.99	0.49	0.42	20
21	0.75	0.88	0.47	0.12	0.21	0.69	0.88	1.14	1.33	0.89	0.49	0.44	21
22	0.74	0.89	0.44	0.13	0.26	0.67	0.88	1.15	1.34	0.84	0.44	0.41	22
23	0.73	0.92	0.37	0.17	0.29	0.68	0.90	1.16	1.37	0.76	0.39	0.35	23
24	0.72	0.91	0.31	0.18	0.30	0.71	0.91	1.16	1.38	0.72	0.34	0.28	24
25	0.71	0.92	0.26	0.18	0.31	0.75	0.91	1.16	1.38	0.70	0.31	0.19	25
26	0.71	0.89	0.26	0.17	0.27	0.76	0.91	1.17	1.38	0.70	0.23	0.17	26
27	0.71	0.87	0.26	0.12	0.27	0.76	0.93	1.18	1.39	0.70	0.22	0.17	27
28	0.69	0.88	0.26	0.11	0.29	0.76	0.94	1.18	1.39	0.64	0.20	0.16	28
29	0.68		0.26	0.09	0.30	0.76	0.94	1.18	1.39	0.62	0.20	0.13	29
30	0.69		0.24	0.08	0.29	0.73	0.95	1.18	1.39	0.64	0.20	0.10	30
31	0.69		0.21		0.29		0.95	1.21		0.64		0.10	31
-MONTHLY SUMMARY-													
MEAN	0.66	0.82	0.54	0.10	0.16	0.57	0.81	1.08	1.32	1.07	0.47	0.26	MEAN
INST MAX	0.47 (4)	0.67 (4)	0.21 (31)	0.04 (14)	0.04 (4)	0.30 (1)	0.68 (2)	0.96 (1)	1.22 (1)	0.62 (28)	0.20 (29)	0.09 (31)	INST MAX
INST MIN	0.80 (19)	0.94 (17)	0.89 (3)	0.21 (1)	0.32 (25)	0.76 (27)	0.96 (31)	1.22 (31)	1.39 (28)	1.39 (5)	0.64 (1)	0.44 (21)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF DURHAM

OBSERVATION WELL 512

TOWNSHIP OF PICKERING

CONC. 5 LOT 21

WELL REC #1: 4606003  
UTM CO-ORDS: 7-17 E651820 N4862274  
LAT & LONG: 43-44N080TH 79-07WEST

REC METHOD: A35 RECORDER  
REC COMMENT: OCT 28 1974  
MEASURE PT: 1.1 METRES ABOVE GROUND SURFACE  
GND ELEV: 183 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN SILTY SAND, TILL 3.7% GREY SILT SAND, TILL 16% GREY STONEY SAND, TILL 30.5% GREY FINE SAND 39% GREY SILT, TILL 46.4% GREY FINE TO MEDIUM SAND, STONES 78.1% GREY CLAY AND SHALE FRAGMENTS, TILL 81.3% LAYERED LIMESTONE AND SHALE R2.7.

DIA METER OF WELL: 13 CM  
LENGTH OF CASING: 49.7 METRES  
LENGTH OF SCREEN: 2.7 METRES  
DEPTH OF WELL: 52.4 METRES

PUMP RATE: 1.0 L/S  
SPEC. CAP: 0.15 L/S/M  
AQUIFER: FINE SAND  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		7.74	7.85	7.80	7.65	7.64	7.68	7.80	7.93	8.01	8.05	7.91	1
2		7.77	7.85	7.78	7.66	7.64	7.67	7.79	7.92	8.00	8.05	7.93	2
3		7.78	7.87	7.78	7.65	7.65	7.68	7.80	7.92	7.99	8.05	7.93	3
4		7.78	7.86	7.78	7.63	7.64	7.68	7.81	7.93	7.98	8.05	7.92	4
5		7.79	7.86	7.73	7.63	7.63	7.71	7.82	7.94	7.97	8.07	7.89	5
6		7.80	7.86	7.71	7.63	7.63	7.74	7.83	7.92	7.95	8.07	7.86	6
7		7.79	7.86	7.73	7.63	7.64	7.75	7.84	7.92	7.93	8.07		7
8			7.86	7.73	7.63	7.65	7.76	7.83	7.94	7.95	8.05		8
9			7.86	7.71	7.63	7.65	7.77	7.84	7.96	7.96	8.03		9
10			7.85	7.71	7.63	7.65	7.76	7.83	7.96	7.97	7.99		10
11			7.83	7.74	7.62	7.64	7.74	7.83	7.97	7.97	8.01		11
12			7.83	7.75	7.62	7.65	7.74	7.84	7.98	7.96	8.04		12
13			7.83	7.74	7.61	7.67	7.74	7.85	7.98	7.96	8.04		13
14			7.80	7.70	7.61	7.69	7.74	7.85	7.94	7.98	8.04		14
15			7.84	7.69	7.61	7.70	7.74	7.86	7.94	7.99	8.04		15
16			7.86	7.69	7.63	7.70	7.75	7.87	7.96	8.02	8.04		16
17			7.88	7.69	7.65	7.70	7.77	7.88	7.97	8.03	8.04		17
18			7.88	7.70	7.66	7.69	7.78	7.88	7.97	8.03	8.04		18
19			7.88	7.71	7.66	7.72	7.79	7.89	7.97	8.03	8.04		19
20			7.88	7.71	7.64	7.74	7.80	7.89	7.98	8.03	8.05		20
21			7.88	7.71	7.63	7.74	7.80	7.90	7.97	8.02	8.07		21
22			7.87	7.71	7.64	7.72	7.80	7.90	7.98	8.02	8.05		22
23			7.84	7.71	7.64	7.72	7.81	7.90	8.00	8.00	8.03		23
24			7.79	7.71	7.63	7.72	7.81	7.89	8.01	7.99	8.02		24
25			7.75	7.70	7.61	7.74	7.81	7.89	8.02	7.99	8.01		25
26			7.76	7.67	7.59	7.74	7.80	7.91	8.02	7.99	7.97		26
27			7.79	7.63	7.59	7.73	7.80	7.91	8.02	8.01	7.94		27
28			7.83	7.63	7.59	7.73	7.80	7.91	8.02	8.01	7.93		28
29			7.82	7.63	7.59	7.72	7.79	7.90	8.02	8.01	7.92		29
30			7.82	7.64	7.61	7.69	7.80	7.90	8.02	8.03	7.91		30
31	7.74		7.80		7.63		7.80	7.92		8.05			31
-MONTHLY SUMMARY-													
MEAN			7.84	7.71	7.63	7.69	7.76	7.86	7.97	7.99	8.02		MEAN
INST			7.75	7.62	7.59	7.63	7.67	7.79	7.91	7.93	7.91		INST
MAX			(25)	(27)	(27)	(6)	(2)	(2)	(6)	(7)	(30)		MAX
INST			7.88	7.81	7.66	7.74	7.82	7.92	8.02	8.06	8.07		INST
MIN			(22)	(1)	(2)	(27)	(25)	(31)	(28)	(31)	(21)		MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF HALTON

OBSERVATION WELL 531

CITY OF BURLINGTON

CONC. 3 LOT 2

WELL REC #1: 2805425  
UTM CO-ORDS: 2-17 E590760 N4806960  
LAT & LONG: 43-25N080TH 79-52 WEST

REC METHOD: 1F1 TYPE RECORDER  
REC COMMENT: APRIL 1977  
MEASURE PT: 0.8 METRES ABOVE GROUND SURFACE  
GND ELEV: 282 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: POSSIBLE LOG: OVERBURDEN 0.9% LIMESTONE BEDROCK 19.8.

DIA METER OF WELL: 15 CM  
LENGTH OF CASING: N.A.  
LENGTH OF SCREEN:  
DEPTH OF WELL: 19.8 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY:

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	11.98	12.50		11.45	10.76	11.61	12.46	13.47	14.18		15.83	16.46	1
2	11.80	12.52	12.33	11.26	10.81	11.69	12.45	13.49	14.18		15.89	16.46	2
3	11.90	12.54	12.02			11.94	12.47	13.51	14.19			16.46	3
4	11.96	12.56				12.05	12.44	13.55	14.20				4
5	11.97	12.58				12.13	12.42	13.60	14.22				5
6	11.93	12.58				12.22	12.43	13.65	14.24				6
7	11.91	12.60				12.26	12.45	13.69	14.28				7
8	11.89	12.63				12.31	12.48	13.73			16.26		8
9	11.89	12.65				12.35	12.53	13.74			16.30		9
10	11.92	12.69				12.39	12.59	13.77			16.31		10
11	11.95	12.71				12.42	12.65	13.80			16.33		11
12	11.97	12.74				12.43	12.73	13.82			16.34		12
13	11.98	12.76				12.43	12.78	13.83			16.35		13
14	12.03	12.79				12.47	12.84	13.87			16.36		14
15	12.09	12.82				12.52	12.90	13.90			16.38		15
16	12.12	12.84				12.57	12.95	13.92			16.40		16
17	12.11	12.86				12.60	13.01	13.94			16.42		17
18	12.18	12.87				12.64	13.05	13.96			16.42		18
19	12.20	12.89				12.67	13.09	13.98			16.42		19
20	12.24	12.91				12.71	13.13	14.00			16.42		20
21	12.29	12.94				12.77	13.16	14.01			16.43		21
22	12.36	12.96				12.82	13.18	14.03			16.43		22
23	12.39	12.94				12.87	13.22	14.05			16.43		23
24	12.40	12.71				12.91	13.24	14.06			16.44		24
25	12.44	12.64				12.94	13.27	14.09			16.45		25
26	12.45	12.69				12.96	13.30	14.11	15.19	15.55	16.46		26
27	12.45					13.00	13.34	14.13	15.21	15.58	16.46		27
28	12.45			10.50		12.98	13.37	14.16	15.24	15.63	16.47		28
29	12.46		11.55	10.62		12.83	13.40	14.17		15.68	16.47		29
30	12.46		11.58	10.65		12.81	13.44			15.73	16.46		30
31	12.47		11.48		11.60		13.46			15.78			31
-MONTHLY SUMMARY-													
MEAN	12.15					12.51	12.91						MEAN
INST	11.78					11.40	12.42						INST
MAX	(2)					(2)	(5)						MAX
INST	12.48					13.01	13.46						INST
MIN	(31)					(28)	(31)						MIN

REC METHOD: A35 RECORDER  
REC COMM: MAY 1966  
MEASURE PT: 0.9 METRES ABOVE GROUND SURFACE  
GND ELEV: 366 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: CLAY TILL 1.41 REDROCK 15.3.

DIA METER OF WELL: 1R CM  
LENGTH OF CASING: 7.9 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 15.3 METRES

PUMP RATE: 0.3 L/S  
SPEC. CAP: 0.009 L/S/M  
AQUIFER: ROCK  
QUALITY: FRESH

E - ESTIMATE

1979

DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.57	1.06	0.88	-0.10	0.02	0.07	0.95 E	1.41 E	1.51 E	1.62 E	1.40 E	0.29 E	1
2	0.26	1.08	0.89	-0.10	0.05	0.13	0.96 E	1.32 E	1.49 E	1.29 E	0.36 E	0.36 E	2
3	0.27	1.09	0.85	-0.14	-0.01	0.18	0.99 E	1.34 E	1.50 E	1.63 E	1.25 E	0.39 E	3
4	0.33	1.08	0.47	-0.07	-0.03	0.24	1.01 E	1.38 E	1.52 E	1.63 E	1.25 E	0.41 E	4
5	0.40	1.09	-0.01	-0.07	0.01	0.27	1.04 E	1.40 E	1.54 E	1.59 E	1.26 E	0.41 E	5
6	0.43	1.11	-0.01	-0.10	-0.01	0.32 E	1.07 E	1.43 E	1.53 E	1.58 E	1.25 E	0.43 E	6
7	0.48	1.09	0.02	-0.07	0.0	0.37 E	1.10 E	1.44 E	1.55 E	1.54 E	1.25 E	0.45 E	7
8	0.53	1.12	0.01	-0.06	0.04	0.32 E	1.12 E	1.45 E	1.57 F	1.54 E	1.21 E	0.47 E	8
9	0.57	1.14	-0.01	-0.05	0.09	0.35 E	1.13 E	1.47 E	1.59 F	1.43 E	1.18 F	0.49 E	9
10	0.64	1.15	-0.03	-0.02	0.14	0.33 E	1.14 E	1.47 E	1.59 E	1.40 E	1.02 E	0.52 F	10
11		1.17	0.0	-0.01	0.18	0.24 E	1.16 E	1.49 E	1.60 F	1.38 E	0.99 F	0.52 E	11
12		1.17	0.05	-0.06	0.14	0.31 E	1.18 E	1.51 E	1.61 E	1.35 E	0.99 E	0.55 E	12
13		1.19	0.01	-0.17	-0.05	0.38 E	1.20 E	1.52 E	1.62 E	1.33 E	0.99 F	0.58 E	13
14		1.18	-0.18	-0.29	0.01	0.44 E	1.20 F	1.53 E	1.50 F	1.34 F	1.01 E	0.61 E	14
15		1.19	-0.13	-0.23	-0.10	0.49 E	1.22 E	1.55 E	1.20 E	1.34 E	1.02 E	0.65 E	15
16		1.23	-0.08	-0.18	-0.11	0.54 E	1.24 E	1.57 E	1.27 E	1.36 E	1.05 E	0.67 F	16
17		1.26	-0.06	-0.14	-0.04	0.58 E	1.26 E	1.58 E	1.32 F	1.37 E	1.05 E	0.72 E	17
18		1.25	-0.11	-0.10	0.02	0.66 E	1.27 E	1.58 E	1.35 E	1.38 E	1.07 E	0.76 F	18
19		1.25	-0.12	-0.07	0.07	0.71 E	1.28 E	1.59 E	1.39 E	1.37 E	1.10 F	0.79 E	19
20		1.25	-0.11	-0.04	0.11	0.75 E	1.30 E	1.60 E	1.41 E	1.36 F	1.11 E	0.84 E	20
21		1.24	-0.10	-0.02	0.16	0.78 E	1.32 E	1.61 E	1.44 E	1.35 E	1.12 E	0.87 E	21
22		1.27	-0.10	0.01	0.21	0.81 E	1.33 E	1.62 E	1.47 E	1.35 E	1.09 E	0.86 E	22
23	1.02	1.21	-0.10	0.04	0.23	0.85 E	1.35 E	1.61 E	1.50 E	1.33 E	0.97 E	0.62 F	23
24	1.00	1.06	-0.14	0.06	0.28	0.88 E	1.36 E	1.32 E	1.52 E	1.34 E	0.64 E	0.20 E	24
25	1.01	0.98	-0.18	0.07	0.24	0.92 E	1.36 F	1.35 E	1.54 E	1.37 E	0.50 E	-0.06 E	25
26	1.04	0.95	-0.12	0.06	0.01	0.95 E	1.36 E	1.40 F	1.56 E	1.38 E	0.27 F	-0.11 E	26
27	1.04	0.95	-0.05	-0.08	0.02	0.97 E	1.38 E	1.41 F	1.58 E	1.39 E	0.24 E	-0.05 E	27
28	1.03	0.92	-0.02	-0.03	-0.07	0.99 E	1.40 E	1.43 E	1.59 E	1.38 E	0.17 E	-0.01 F	28
29	1.05		-0.05	0.01	-0.06	1.00 E	1.41 E	1.44 E	1.60 E	1.41 E	0.19 F	0.01 E	29
30	1.06		-0.11	0.02	-0.05	0.99 E	1.42 E	1.46 E	1.61 E	1.42 E	0.24 F	0.02 E	30
31	1.06		-0.16		0.01		1.42 E	1.48 E		1.42 E		0.05 E	31
-MONTHLY SUMMARY-													
MEAN		1.13	0.04	-0.06	0.05	0.56	1.22	1.48	1.50	1.43	0.94	0.43	MEAN
INST		0.89	-0.22	-0.30	-0.16	0.04	0.95	1.28	1.18	1.33	0.16	-0.15	INST
MAX		(28)	(14)	(14)	(15)	(1)	(1)	(24)	(14)	(23)	(28)	(26)	MAX
INST		1.27	0.89	0.09	0.30	1.00	1.43	1.62	1.62	1.66	1.42	0.87	INST
MIN		(22)	(1)	(26)	(25)	(30)	(31)	(22)	(14)	(4)	(1)	(22)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF HALTON

OBSERVATION WELL 377  
TOWN OF GEORGETOWN

WELL REC #1 2804289  
UTM CO-ORDS: Z-17 E586240 N4832900  
LAT & LONG: 43-39N 79-56W E 1

REC METHOD: A35 RECORDER  
REC COMM: APR 26 1973  
MEASURE PT: 0.6 METRES ABOVE GROUND SURFACE  
GND ELEV: 262 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: RED CLAY, SAND AND GRAVEL 8.21 FINE SAND 24.41 COARSE SAND 33.2.

DIA METER OF WELL: 13 CM  
LENGTH OF CASING: 26.5 METRES  
LENGTH OF SCREEN: 6.7 METRES  
DEPTH OF WELL: 33.2 METRES

PUMP RATE: 3.4 L/S  
SPEC. CAP: N.A.  
AQUIFER: COARSE SAND  
QUALITY: FRESH

1979

DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.96	3.05	3.13	2.64	1.82	1.35	1.43	1.67	1.93	2.16	2.48	2.74	1
2	2.95	3.05	3.13	2.70	1.79	1.34	1.43	1.64	1.92	2.09	2.48	2.75	2
3	2.96	3.06	3.12	2.85	1.66	1.34	1.44	1.66	1.92	2.18	2.50	2.75	3
4	2.97	3.06	3.10	2.64	1.67	1.33	1.44	1.66	1.92	2.18	2.51	2.75	4
5	2.98	3.06	3.07	2.65	1.62	1.32	1.44	1.66	1.92	2.19	2.52	2.75	5
6	2.98	3.07	3.04	2.77	1.60	1.34	1.47	1.66	1.93	2.20	2.53	2.76	6
7	2.98	3.07	3.10	2.98	1.58	1.34	1.46	1.67	2.05	2.20	2.54	2.83	7
8	2.98	2.92	3.03	2.51	1.57	1.36	1.50	1.68	2.00	2.21	2.55	2.79	8
9	2.99	3.02	3.01	2.48	1.55	1.35	1.48	1.69	2.00	2.23	2.56	2.79	9
10	3.11	3.04	2.99	2.46	1.54	1.34	1.46	1.70	2.00	2.24	2.57	2.78	10
11	3.03	3.06	2.97	2.46	1.53	1.39	1.45	1.71	2.02	2.24	2.58	2.80	11
12	3.02	3.07	2.96	2.40	1.53	1.37	1.46	1.71	2.01	2.25	2.59	2.80	12
13	3.02	3.07	2.96	2.36	1.50	1.54	1.45	1.81	2.01	2.26	2.60	2.81	13
14	3.02	3.08	2.91	2.25	1.49	1.39	1.46	1.75	1.99	2.28	2.64	2.89	14
15	3.03	3.08	2.91	2.18	1.48	1.36	1.48	1.74	2.00	2.29	2.62	2.84	15
16	3.03	3.08	2.88	2.15	1.45	1.35	1.56	1.74	2.02	2.30	2.71	2.84	16
17	3.03	3.09	2.87	2.11	1.48	1.34	1.53	1.74	2.22	2.31	2.66	2.93	17
18	3.03	3.09	2.85	2.07	1.45	1.40	1.62	1.75	2.08	2.32	2.66	2.88	18
19	3.04	3.09	2.83	2.07	1.43	1.84	1.98	1.75	2.07	2.33	2.67	2.87	19
20	3.04	3.21	2.98	2.00	1.42	1.81	2.01	1.77	2.07	2.33	2.67	2.86	20
21	3.04	3.14	2.86	1.95	1.42	1.66	1.98	1.77	2.08	2.34	2.67	2.89	21
22	3.06	3.13	2.87	1.92	1.41	1.67	1.95	2.17	2.08	2.35	2.69	2.88	22
23	3.04	3.12	2.86	1.89	1.39	1.43	1.97	1.89	2.09	2.35	2.69	2.87	23
24	3.03	3.12	2.78	1.92	1.39	1.59	1.85	1.87	2.10	2.40	2.70	2.85	24
25	3.04	3.11	2.74	1.83	1.37	1.62	1.71	1.84	2.10	2.40	2.70	2.79	25
26	3.04	3.12	2.72	1.78	1.35	1.84	1.66	1.84	2.12	2.41	2.69	2.75	26
27	3.04	3.12	2.77	1.75	1.35	1.55	1.72	1.84	2.13	2.42	2.70	2.74	27
28	3.04	3.15	2.72	1.73	1.35	1.47	1.67	1.85	2.13	2.42	2.70	2.74	28
29	3.04		2.75	1.71	1.35	1.44	1.69	1.85	2.14	2.44	2.71	2.73	29
30	3.05		2.69	1.84	1.56	1.43	1.82	1.86	2.15	2.46	2.74	2.73	30
31	3.05		2.65		1.38		1.71	2.07		2.46		2.73	31
-MONTHLY SUMMARY-													
MEAN	3.02	3.08	2.91	2.22	1.50	1.46	1.62	1.77	2.04	2.30	2.62	2.80	MEAN
INST	2.71	2.70	2.39	1.45	1.10	1.07	1.17	1.42	1.71	1.83	2.34	2.48	INST
MAX	(1)	(8)	(31)	(30)	(30)	(4)	(12)	(13)	(7)	(2)	(12)	(29)	MAX
INST	3.65	3.69	3.65	3.47	2.50	2.38	2.54	2.70	2.81	3.04	3.47	3.52	INST
MIN	(23)	(20)	(15)	(6)	(1)	(26)	(23)	(31)	(17)	(24)	(30)	(17)	MIN

WELL REC #: 2803707  
UTM CO-ORD: Z-17 F591175 N4818750  
LAT & LONG: 43-31NORTH 79-52WEST

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER : CLAY  
QUALITY : FRESH

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		1.26	1.53	0.48	0.66	0.65	1.26	1.40	1.76	1.79	1.74	0.88	1
2		1.28	1.53	0.44	0.68	0.67	1.27	1.41	1.76	1.79	1.75	0.88	2
3		1.29	1.52	0.39	0.70	0.69	1.27	1.42	1.76	1.79	1.75	0.87	3
4		1.30	1.50	0.36	0.70	0.72	1.28	1.42	1.76	1.80	1.75	0.87	4
5		1.31	1.45	0.34	0.70	0.75	1.29	1.43	1.76	1.81	1.76	0.87	5
6		1.32	1.39	0.31	0.70	0.78	1.29	1.45	1.77	1.81	1.77	0.86	6
7		1.32	1.29	0.29	0.70	0.82	1.30	1.46	1.77	1.82	1.77	0.87	7
8		1.33	1.17	0.28	0.70	0.85	1.31	1.48	1.78	1.82	1.77	0.87	8
9	0.78	1.35	1.08	0.27	0.70	0.88	1.31	1.49	1.79	1.83	1.77	0.88	9
10	0.81	1.36	0.97	0.26	0.72	0.91	1.32	1.50	1.79	1.83	1.76	0.89	10
11	0.83	1.38	0.92	0.25	0.73	0.92	1.32	1.52	1.80	1.82	1.74	0.90	11
12	0.86	1.39	0.89	0.23	0.75	0.94	1.33	1.54	1.81	1.81	1.68	0.91	12
13	0.89	1.40	0.85	0.21	0.77	0.95	1.34	1.55	1.81	1.80	1.64	0.93	13
14	0.91	1.41	0.81	0.21	0.79	0.97	1.34	1.57	1.82	1.79	1.60	0.95	14
15	0.93	1.42	0.79	0.22	0.80	0.99	1.35	1.59	1.82	1.77	1.57	0.96	15
16	0.96	1.43	0.79	0.25	0.73	1.01	1.35	1.61	1.83	1.76	1.54	0.98	16
17	0.99	1.44	0.78	0.28	0.66	1.02	1.36	1.62	1.82	1.75	1.53	0.99	17
18	1.01	1.46	0.78	0.31	0.62	1.04	1.36	1.64	1.81	1.75	1.52	1.02	18
19	1.04	1.47	0.78	0.34	0.60	1.07	1.37	1.65	1.80	1.74	1.52	1.04	19
20	1.06	1.48	0.78	0.37	0.60	1.09	1.37	1.67	1.79	1.73	1.52	1.05	20
21	1.08	1.49	0.78	0.41	0.60	1.11	1.36	1.68	1.78	1.73	1.52	1.07	21
22	1.09	1.49	0.78	0.45	0.62	1.13	1.36	1.70	1.78	1.72	1.52	1.10	22
23	1.11	1.50	0.76	0.49	0.64	1.15	1.36	1.71	1.78	1.72	1.52	1.11	23
24	1.15	1.51	0.73	0.52	0.66	1.17	1.35	1.72	1.78	1.72	1.52	1.12	24
25	1.16	1.52	0.69	0.55	0.68	1.20	1.35	1.73	1.78	1.72	1.44	0.99	25
26	1.18	1.53	0.65	0.59	0.70	1.22	1.34	1.74	1.78	1.72	1.22	0.76	26
27	1.20	1.53	0.62	0.61	0.67	1.24	1.35	1.75	1.78	1.73	1.07	0.63	27
28	1.20	1.53	0.61	0.61	0.65	1.26	1.35	1.75	1.78	1.73	0.97	0.57	28
29	1.21		0.61	0.62	0.64	1.26	1.36	1.76	1.78	1.74	0.92	0.54	29
30	1.23		0.59	0.64	0.63	1.26	1.37	1.76	1.78	1.74	0.89	0.53	30
31	1.25		0.53		0.64		1.38	1.76		1.74		0.52	31

MONTHLY SUMMARY												
MEAN	1.41	0.93	0.39	0.68	0.99	1.33	1.60	1.79	1.77	1.53	0.88	MEAN
INST MAX	1.25 ( 1)	0.51 (31)	0.21 (13)	0.60 (20)	0.64 ( 1)	1.26 ( 1)	1.39 ( 1)	1.76 ( 2)	1.72 (24)	0.88 (30)	0.52 (31)	INST MAX
INST MIN	1.53 (28)	1.53 ( 1)	0.65 (30)	0.81 (15)	1.26 (29)	1.39 (31)	1.76 (30)	1.83 (16)	1.83 (10)	1.77 ( 7)	1.12 (24)	INST MIN

WELL REC #: 1901998  
UTM CO-ORD: Z-17 E707800 N4870500  
LAT & LONG: 43-58 NORTH 78-25 WEST

PUMP RATE: 0.15 L/S  
SPEC. CAP: N.A.  
AQUIFER : GRAVELLY BROWN CLAY  
QUALITY : FRESH

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.66	1.97	2.24	1.17	1.18	1.68		2.60	2.77	2.93	2.31		1
2	1.54	1.98	2.24	0.97	1.22	1.70		2.60	2.77	2.94	2.30		2
3	1.54	1.98	2.24	0.81	1.20	1.72		2.60	2.78	2.95			3
4	1.58	1.98	2.18	0.90	0.96	1.74		2.60	2.79	2.95			4
5	1.64	1.99	1.98	0.73	1.01	1.76		2.60	2.80	2.96			5
6	1.69	2.02	1.85	0.63	1.06	1.80		2.60	2.81	2.95			6
7	1.73	2.02	1.81	0.80	1.02	1.82		2.60	2.82	2.91			7
8	1.76	2.03	1.71	0.88	1.09	1.85		2.61	2.84	2.86			8
9	1.81	2.06	1.62	0.94	1.17	1.87		2.62	2.85	2.81			9
10	1.85	2.07	1.40	0.98	1.24	1.88		2.62	2.86	2.74			10
11	1.88	2.09	1.43	0.98	1.29	1.89		2.63	2.87	2.68			11
12	1.89	2.10	1.58	1.01	1.32	1.88		2.64	2.88	2.64			12
13	1.91	2.11	1.66	1.03	1.29			2.65	2.89	2.60			13
14	1.90	2.12	1.43	0.76	1.27			2.65	2.89	2.57		1.40	14
15	1.93	2.13	1.47	0.72	1.31			2.67	2.89	2.54			15
16	1.95	2.15	1.59	0.83	1.33			2.68	2.87	2.53			16
17	1.96	2.17	1.67	0.91	1.37			2.70	2.85	2.47			17
18	1.97	2.18	1.70	1.00	1.41			2.70	2.83	2.51			18
19	1.99	2.19	1.66	1.07	1.44			2.71	2.82	2.50			19
20	1.99	2.20	1.63	1.12	1.47			2.72	2.82	2.48			20
21	1.98	2.21	1.60	1.16	1.50			2.73	2.82	2.46			21
22	2.00	2.24	1.59	1.18	1.53			2.74	2.83	2.44			22
23	2.04	2.25	1.56	1.22	1.56			2.75	2.84	2.41			23
24	2.04	2.26	1.46	1.25	1.58			2.76	2.86	2.39			24
25	2.03	2.27	1.33	1.27	1.60			2.76	2.87	2.38			25
26	2.03	2.25	1.31	1.28	1.58		2.56	2.76	2.89	2.37		0.86	26
27	2.02	2.24		1.11	1.56		2.57	2.77	2.90	2.36		0.96	27
28	1.99	2.24		1.42	1.03		2.58	2.77	2.91	2.34		1.03	28
29	1.98			1.42	1.08		2.59	2.77	2.92	2.33		1.07	29
30	1.98			1.39	1.14		2.60	2.77	2.93	2.33		1.07	30
31	1.97			1.23			2.60	2.77		2.32		1.11	31

DIRECT 30-MINUTE									
MEAN	1.88	2.12	1.64	1.00	1.35	2.68	2.85	2.60	MEAN
INST MAX	1.53 ( 7 )	1.96 ( 1 )	1.18 ( 31 )	0.56 ( 6 )	0.96 ( 4 )	2.60 ( 5 )	2.77 ( 1 )	2.31 ( 31 )	INST MAX
INST MIN	2.05 ( 24 )	2.27 ( 25 )	2.25 ( 3 )	1.28 ( 26 )	1.66 ( 31 )	2.77 ( 29 )	2.93 ( 30 )	2.96 ( 5 )	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF PEEL

OBSERVATION WELL 253

TOWNSHIP OF ALBION

CONC. 6 LOT 23

WELL REC #1 4904160  
UTM CO-ORD: 7-17 F594400 N4864030  
LAT & LONG: 43-57NORTH 79-49WEST

REC METHOD: 1F1 TYPE RECORDER  
REC COMMCD: MAR 3 1970  
MEASURE PT: 1.1 METRES ABOVE GROUND SURFACE  
GND ELEV: 275 METRES ABOVE SEA LEVEL  
WELL TYPE: DPTLLED  
WELL LOG: BLACK SOIL 1.2% BROWN CLAY, SAND AND STONES 20.7% BROWN SAND AND A FEW STONES 19.8% GREY CLAY, STONES AND SAND 20.7% BROWNISH YELLOW SILT, CLAY 32.3% BLUE CLAY AND STONES 39.6% BROWNISH YELLOW SILT, CLAY 65.3% GREY HARDPAN 66.5.

DIAMETER OF WELL: 13 CM  
LENGTH OF CASING: 65.6 METRES  
LENGTH OF SCREEN: 0.9 METRES  
DEPTH OF WELL: 218 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: 1 HARDPAN  
QUALITY: 1 FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.14	13.04	13.10		12.75	12.65	12.67	12.76	12.87	12.94	13.01	13.02	1
2	13.09	13.04	13.10		12.74	12.65	12.67	12.77	12.87	12.95	13.02	13.02	2
3	13.03	13.04	13.10		12.74	12.65	12.67	12.77	12.87	12.95	13.02	13.02	3
4	13.02	13.04	13.10		12.74	12.64	12.67	12.78	12.87	12.95	13.02	13.02	4
5	13.02	13.05	13.10		12.73	12.64	12.68	12.79	12.88	12.95	13.02	13.02	5
6	13.02	13.05	13.10		12.73	12.64	12.68	12.79	12.88	12.96	13.03	13.02	6
7	13.02	13.05	13.10		12.72	12.64	12.68	12.79	12.88	12.96	13.03	13.02	7
8	13.02	13.05	13.09		12.72	12.64	12.68	12.79	12.88	12.96	13.02	13.02	8
9	13.02	13.05	13.09		12.72	12.64	12.68	12.80	12.89	12.96	13.02	13.02	9
10	13.02	13.06	13.09		12.71	12.64	12.69	12.81	12.89	12.96	13.02	13.02	10
11	13.02	13.06	13.09	12.89	12.71	12.64	12.69	12.81	12.89	12.97	13.02	13.02	11
12	13.02	13.06	13.09	12.88	12.70	12.64	12.70	12.81	12.90	12.97	13.02	13.02	12
13	13.02	13.06	13.08	12.88	12.70	12.64	12.69	12.81	12.90	12.97	13.02	13.02	13
14	13.02	13.07	13.08	12.87	12.70	12.64	12.70	12.81	12.90	12.97	13.02	13.02	14
15	13.02	13.07		12.86	12.69	12.64	12.70	12.82	12.90	12.97	13.02	13.02	15
16	13.02	13.07		12.85	12.69	12.64	12.70	12.82	12.90	12.97	13.02	13.02	16
17	13.02	13.08		12.84	12.69	12.64	12.70	12.83	12.91	12.97	13.02	13.02	17
18	13.02	13.08		12.83	12.68	12.64	12.71	12.83	12.91	12.97	13.02	13.02	18
19	13.02	13.09		12.82	12.68	12.64	12.71	12.83	12.91	12.98	13.02	13.02	19
20	13.02	13.09		12.81	12.68	12.65	12.72	12.84	12.91	12.98	13.02	13.01	20
21	13.03	13.09		12.80	12.67	12.65	12.72	12.84	12.91	12.98	13.02	13.02	21
22	13.03	13.09		12.79	12.67	12.65	12.73	12.84	12.92	12.98	13.02	13.01	22
23	13.03	13.09		12.79	12.67	12.65	12.73	12.85	12.92	12.98	13.02	13.01	23
24	13.03	13.09		12.78	12.67	12.65	12.74	12.85	12.93	12.98	13.02	13.01	24
25	13.03	13.09		12.78	12.66	12.65	12.74	12.86	12.93	12.99	13.02	13.01	25
26	13.03	13.09		12.77	12.66	12.66	12.75	12.86	12.93	12.99	13.02	13.01	26
27	13.03	13.10		12.77	12.66	12.66	12.75	12.86	12.93	12.99	13.02	13.00	27
28	13.03	13.10		12.76	12.66	12.66	12.75	12.86	12.93	12.99	13.02	13.00	28
29	13.03			12.76	12.66	12.66	12.75	12.87	12.94	13.00	13.02	12.99	29
30	13.04			12.75	12.65	12.67	12.76	12.87	12.94	13.00	13.02	12.99	30
31	13.04				12.65		12.76	12.87		13.01		12.99	31
-MONTHLY SUMMARY-													
MEAN	13.03	13.07			12.69	12.65	12.71	12.82	12.90	12.97	13.02	13.01	MEAN
INST	13.02	13.04			12.65	12.64	12.67	12.76	12.87	12.94	13.01	12.99	INST
MAX	( 8 )	( 1 )			( 31 )	( 8 )	( 1 )	( 1 )	( 1 )	( 1 )	( 1 )	( 31 )	MAX
INST	13.17	13.10			13.30	13.29	13.28	12.87	12.94	13.01	13.03	13.02	INST
MIN	( 1 )	( 28 )			( 6 )	( 1 )	( 1 )	( 31 )	( 30 )	( 31 )	( 7 )	( 7 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF PEEL

OBSERVATION WELL 214

TOWNSHIP OF CALEDON

N4S.E. 5 LOT 8

WELL REC #1 4900661  
UTM CO-ORD: 7-17 E587990 N4858940  
LAT & LONG: 43-53 NORTH 79-54 WEST

REC METHOD: A35 RECORDER  
REC COMMCD: JUL. 04 1965  
MEASURE PT: 0.2 METRES ABOVE GROUND SURFACE  
GND ELEV: 389 METRES ABOVE SEA LEVEL  
WELL TYPE: BORED  
WELL LOG: BROWN SOIL 5.5% COARSE SAND 7.9% SILTY CLAY WITH FINE SAND 9.2.

DIAMETER OF WELL: 76 CM  
LENGTH OF CASING: 9.2METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 9.2 METRES

PUMP RATE: 0.1 L/S  
SPEC. CAP: N.A.  
AQUIFER: 1 COARSE SAND  
QUALITY: 1 FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1						1.00	1.38	1.59	1.80	1.97			1
2						1.06	1.38	1.58	1.88	1.94			2
3						1.08	1.38	1.61	1.79	1.94			3
4						1.07	1.38	1.61	1.78	1.94			4
5						1.07	1.38	1.61	1.79	1.93			5
6						1.09		1.62	1.79	1.92		1.62	6
7						1.10		1.63	1.80	1.97		1.62	7
8						1.11	1.55	1.62	1.81		1.91	1.63	8
9					0.84	1.11	1.47	1.63	1.93		1.91	1.64	9
10					0.88	1.18	1.42	1.63	1.89		1.90	1.63	10
11					0.89	1.14	1.41	1.64	1.84		1.90	1.63	11
12					0.93	1.15	1.40	1.65	1.84		1.90	1.63	12
13					0.89	1.17	1.39	1.66	1.84		1.89		13
14					0.87	1.17	1.40	1.67	1.84		1.89		14
15					0.86	1.19	1.43	1.67	1.83		1.89		15
16					0.85	1.20	1.43	1.69	1.83		1.89		16
17					0.88	1.22	1.44	1.69	1.84		1.89		17
18					0.90	1.24	1.45	1.74	1.85	1.92	1.92		18
19					0.91	1.25	1.46	1.71	1.85	1.91	1.91		19
20					0.98	1.26	1.47	1.71	1.86	1.90	1.91		20
21					1.03	1.27	1.51	1.72	1.87	1.90	1.91		21
22					0.98	1.27	1.57	1.73	1.88	1.91	1.90		22
23					0.98	1.27	1.52	1.74	1.90	1.91	1.89		23
24					0.99	1.32	1.52	1.72	1.90	1.91	1.89		24
25					0.99	1.31	1.53	1.72	1.90	1.92	1.81		25
26					0.92	1.31	1.53	1.81	1.91	1.93	1.70		26
27					0.95	1.32	1.53	1.75	1.92	1.93	1.65		27
28					0.95	1.33	1.59	1.74	1.92	1.92	1.65		28
29					0.96	1.33	1.60	1.74	1.92	1.92			29
30					0.96	1.33	1.58	1.74	1.92	1.93			30
31					0.98		1.59	1.76					31
-MONTHLY SUMMARY-													
MEAN						1.20		1.68	1.86				MEAN
INST						0.99		1.58	1.77				INST
MAX						( 1 )		( 2 )	( 1 )				MAX
INST						1.44		2.02	2.07				INST
MIN						( 24 )		( 26 )	( 10 )				MIN

ENVIRONMENT ONTARIO

TORONTO

REGIONAL MUNICIPALITY OF PEEL

OBSERVATION WELL 167

TOWNSHIP OF CHINGUACOUSY

CONC.HSW 5 LOT 5

WELL REC #:

4901999

UTM CO-ORD:

Z=17 E596500 N4832160

LAT & LONG:

43-38NORTH 79-44WEST

REC METHOD:

A35 RECORDED

REC COMM:

DEC 15 1965

MEASURE DT:

1.4 METRES ABOVE GROUND SURFACE

GND ELEV:

206 METRES ABOVE SEA LEVEL

WELL TYPE:

DRILLED

WELL LOG:

TOPSOIL 2% BROWN CLAY, GRAVEL 7% SAND AND GRAVEL 17% CLAY AND GRAVEL 20.

DIAETER OF WELL:

15 CM

LENGTH OF CASING:

4.6 METRES

LENGTH OF SCREEN:

1.5 METRES

DEPTH OF WELL:

6.1 METRES

PUMP RATE:

N.A.

SPEC. CAP:

N.A.

AQUIFER:

CLAY AND GRAVEL

QUALITY:

FRESH

E - ESTIMATE

1979													
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		2.06	2.15		1.41	1.40	1.70	1.97	1.99	2.13	2.19	2.08	1
2		2.06	2.15		1.42	1.41	1.72	1.95	2.00	2.13	2.19	2.07	2
3		2.06	2.15		1.41	1.43	1.72	1.93	2.01	2.13	2.19	2.05	3
4		2.07	2.14		1.42	1.44	1.73	1.93	2.02	2.14	2.19	2.04	4
5		2.07	2.11		1.41	1.45	1.74	1.93	2.02	2.15	2.20	2.02 E	5
6		2.07	2.09		1.41	1.47	1.75	1.95	2.02	2.15	2.20	2.00 E	6
7		2.07	2.07		1.41	1.49	1.76	1.96	2.02	2.16	2.20	2.00 E	7
8		2.08	2.05		1.41	1.50	1.77	1.97	2.02	2.16	2.20	1.99 F	8
9		2.08	2.04		1.41	1.51	1.78	1.98	2.03	2.16	2.20	1.98 E	9
10		2.09	2.02		1.41	1.52	1.78	1.98	2.03	2.17	2.21	1.97 F	10
11		2.09	1.99		1.41	1.53	1.79	1.99	2.03	2.16	2.21	1.96 F	11
12		2.09	1.98		1.41	1.54	1.80	1.99	2.03	2.16	2.21	1.96 E	12
13		2.09	1.96		1.40	1.56	1.81	2.00	2.04	2.16	2.21	1.95 E	13
14		2.09	1.93		1.39	1.56	1.81	2.01	2.04	2.17	2.21	1.94 E	14
15		2.10	1.92	1.34	1.38	1.57	1.83	2.02	2.04	2.17	2.21	1.93 F	15
16		2.10	1.91	1.31	1.34	1.57	1.84	2.03	2.05	2.16	2.21	1.92 E	16
17		2.11	1.89	1.31	1.30	1.58	1.85	2.03	2.06	2.16	2.20	1.91 E	17
18		2.11	1.89	1.31	1.29	1.60	1.85	2.03	2.06	2.16	2.20	1.91 E	18
19		2.11	1.87	1.31	1.29	1.61	1.86	2.04	2.06	2.16	2.21	1.89 E	19
20		2.11	1.87	1.32	1.30	1.61	1.87	2.04	2.07	2.16	2.21	1.89 E	20
21		2.11	1.86	1.33	1.33	1.63	1.88	2.05	2.07	2.16	2.20	1.88 E	21
22		2.13	1.86	1.35	1.35	1.64	1.89	2.06	2.07	2.16	2.20	1.87 E	22
23		2.13	1.86	1.36	1.37	1.65	1.90	2.07	2.08	2.16	2.20	1.87 E	23
24	2.07	2.13	1.86	1.37	1.38	1.66	1.90	2.07	2.09	2.17	2.20	1.85 E	24
25	2.05	2.13	1.86	1.37	1.39	1.67	1.91	2.03	2.09	2.16	2.20	1.81 E	25
26	2.05	2.14	1.86	1.38	1.39	1.68	1.92	2.00	2.10	2.17	2.19	1.71 E	26
27	2.05	2.14	1.86	1.39	1.39	1.69	1.93	1.99	2.10	2.17	2.17	1.69 E	27
28	2.04	2.14		1.40	1.39	1.70	1.93	1.99	2.11	2.17	2.16	1.68 E	28
29	2.05			1.40	1.39	1.70	1.94	1.99	2.12	2.19	2.13	1.67 E	29
30	2.05			1.40	1.39	1.70	1.95	1.99	2.12	2.19	2.10	1.66 E	30
31	2.06				1.40		1.97	1.99		2.19		1.65 F	31
-MONTHLY SUMMARY-													
MEAN		2.10			1.38	1.57	1.83	2.00	2.05	2.16	2.19	1.90	MEAN
INST		2.06			1.29	1.40	1.70	1.93	1.99	2.13	2.09	1.65	INST
MAX		( 1 )			(18)	( 1 )	( 1 )	( 5 )	( 1 )	( 1 )	(30)	(31)	MAX
INST		2.14			1.42	1.70	1.98	2.07	2.13	2.19	2.21	2.09	INST
MIN		(28)			( 4 )	(30)	(31)	(23)	(30)	(31)	(15)	( 1 )	MIN

ENVIRONMENT ONTARIO

TORONTO

REGIONAL MUNICIPALITY OF PEEL

OBSERVATION WELL 168

TOWNSHIP OF CHINGUACOUSY

HSE 2

LOT 15

WELL REC #:

4901205

UTM CO-ORD:

Z=17 E597150 N4844050

LAT & LONG:

43-45NORTH 79-48WEST

REC METHOD:

A35 RECORDED

REC COMM:

MAR 4 1966

MEASURE DT:

1.4 METRES ABOVE GROUND SURFACE

GND ELEV:

249 METRES ABOVE SEA LEVEL

WELL TYPE:

DRILLED

WELL LOG:

TOPSOIL 0.3% SANDY CLAY, ODD BIT OF GRAVEL 4.8% SAND, CLAY AND SOME GRAVEL 10.7% SAND AND GRAVEL 14.3% FINE SAND AND GRAVEL, ODD BIT OF CLAY 15.6% CLAY, SAND, GRAVEL 16.8% SAND, GRAVEL AND ODD BIT OF CLAY 22.3.

DIAETER OF WELL:

30 CM

LENGTH OF CASING:

16.2 METRES

LENGTH OF SCREEN:

6.1 METRES

DEPTH OF WELL:

22.3 METRES

PUMP RATE:

N.A.

SPEC. CAP:

N.A.

AQUIFER:

SAND AND GRAVEL

QUALITY:

FRESH

1979													
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.12 E	7.17	7.08	6.56		6.00		6.25	6.35	6.43	6.53	6.65	1
2	7.13 F	7.19	7.10	6.51		6.00		6.24	6.33	6.43	6.55	6.68	2
3	7.10 F	7.18	7.07	6.56	6.09	5.98		6.27	6.35	6.44	6.56	6.64	3
4	7.08 F	7.15	7.04	6.49	6.12	5.98		6.27	6.37	6.46	6.59	6.61	4
5	7.08 F	7.18	7.04	6.46		5.99		6.27	6.36	6.43	6.58	6.56	5
6	7.10 F	7.19	7.01	6.48		6.01		6.28	6.32	6.43	6.55	6.59	6
7	7.12 E	7.14	7.00	6.53		6.01		6.26	6.36	6.45	6.57	6.60	7
8	7.14 E	7.17	6.99	6.45	6.08	6.02		6.28	6.38	6.48	6.55	6.68	8
9	7.13 F	7.19	6.97	6.41	6.08	6.02		6.29	6.38	6.47	6.55	6.65	9
10	7.11 E	7.18	6.93	6.46	6.07	5.98		6.24	6.35	6.48	6.58	6.65	10
11	7.11 F	7.19	6.90	6.46	6.07	6.01	6.13	6.29	6.38	6.46	6.62	6.63	11
12	7.12 E	7.15	6.91	6.40	6.07	6.03	6.14	6.30	6.38	6.44	6.62	6.67	12
13	7.17 E	7.17	6.85	6.37	6.07	6.05		6.29	6.35	6.49	6.59	6.68	13
14	7.19 E	7.14	6.84	6.34	6.07	6.04		6.29	6.34	6.52	6.60	6.69	14
15	7.12 E	7.13	6.88	6.34	6.07	6.02		6.32	6.39	6.50	6.57	6.67	15
16	7.12 E	7.16	6.84	6.34	6.09	6.02		6.32	6.41	6.52	6.61	6.65	16
17	7.17 E	7.21	6.82	6.33	6.07	6.00		6.31	6.40	6.52	6.58	6.69	17
18	7.14 E	7.16	6.78	6.32	6.04	6.04		6.28	6.37	6.53	6.62	6.69	18
19	7.14 E	7.13	6.76	6.29	6.02	6.07		6.31	6.41	6.49	6.63	6.68	19
20	7.19 F	7.12	6.73		6.02	6.05		6.32	6.40	6.49	6.64	6.72	20
21	7.20 E	7.09			6.03	6.01		6.32	6.39	6.50	6.63	6.69	21
22	7.18 E	7.15			6.05	6.01		6.32	6.43	6.51	6.60	6.67	22
23	7.15 E				6.01	6.04		6.30	6.44	6.49	6.60	6.67	23
24	7.09	7.14			6.00			6.31	6.43	6.50	6.64	6.67	24
25	7.11	7.13			6.09			6.34	6.42	6.54	6.63	6.65	25
26	7.15	7.08			6.65			6.35	6.44	6.55	6.56	6.69	26
27	7.13	7.08			6.67			6.33	6.44	6.53	6.63	6.69	27
28	7.11	7.09			6.62			6.33	6.42	6.50	6.61	6.69	28
29	7.15				6.59			6.32	6.44	6.56	6.62	6.65	29
30	7.17				6.57			6.35	6.44	6.58	6.64	6.62	30
31	7.15				6.57			6.37		6.55		6.62	31
-MONTHLY SUMMARY-													
MEAN	7.13	7.15	6.82					6.30	6.39	6.49	6.59	6.66	MEAN
INST	7.07	7.06	6.55					6.21	6.31	6.41	6.51	6.53	INST
MAX	(24)	(21)	(31)					( 2 )	( 6 )	( 5 )	( 1 )	( 5 )	MAX
INST	7.24	7.22	7.11					6.37	6.45	6.59	6.66	6.72	INST
MIN	(14)	(17)	( 2 )					(31)	(23)	(30)	(24)	(20)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
PETERBOROUGH COUNTY

OBSERVATION WELL 553  
TOWNSHIP OF CAVAN

CONC. 8 LOT 10

WELL REC #1 5109590  
UTM CO-ORD: Z-17 E700745 N4896285  
LAT & LONG: 78-29NORTH 44-11WEST

REC METHOD: A-35 RECORDER  
REC COMMCD: NOV. 01 1979  
MEASURE PT: 0.30 METRES ABOVE GROUND SURFACE  
GND ELEV: 214 METRES ABOVE SEA LEVEL  
WELL TYPE: BORED  
WELL LOG: BROWN TOPSOIL & SAND 0.31 DENSE GREY CLAY 7.61 BROWN SAND 7.6.

DIAMETER OF WELL: 76 CM  
LENGTH OF CASING: 7.6 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 7.6 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SAND  
QUALITY: FRESH

1979 DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1												6.98	1
2											6.99	6.97	2
3											6.99	6.97	3
4											6.99	6.96	4
5											7.00	6.95	5
6											7.00	6.95	6
7											7.00	6.94	7
8											7.00	6.93	8
9											7.00	6.93	9
10											7.00	6.93	10
11											7.01	6.92	11
12											7.01	6.92	12
13											7.01	6.91	13
14											7.01	6.91	14
15											7.01	6.91	15
16											7.01	6.90	16
17											7.01	6.90	17
18											7.01	6.89	18
19											7.01	6.89	19
20											7.01	6.89	20
21											7.02	6.89	21
22											7.02	6.88	22
23											7.02	6.88	23
24											7.02	6.87	24
25											7.02	6.87	25
26											7.01	6.85	26
27											7.01	6.83	27
28											7.01	6.81	28
29											7.00	6.79	29
30											6.99	6.76	30
31												6.73	31
-MONTHLY SUMMARY-													
MEAN												6.89	MEAN
INST MAX												6.72 (31)	INST MAX
INST MIN												6.98 ( 1)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
SIMCOE COUNTY

OBSERVATION WELL 529  
TOWNSHIP OF INNISFIL

CONC. - LOT -

WELL REC #1 5715034  
UTM CO-ORD: Z-17 E605145 N4912050  
LAT & LONG: 44-22 NORTH 79-41WEST

REC METHOD: A71 RECORDER  
REC COMMCD: APR 07 1976  
MEASURE PT: 0.0 METRES ABOVE GROUND SURFACE  
GND ELEV: 264 METRES ABOVE SEA LEVEL  
WELL TYPE: BORED  
WELL LOG: SAND 7.3.

DIAMETER OF WELL: 76 CM 7.3 ME  
LENGTH OF CASING: TRES NONE  
LENGTH OF SCREEN:  
DEPTH OF WELL: 7.3 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SAND  
QUALITY: FRESH

1979 DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.13	5.18	5.24	4.85	4.75	4.83	4.90	5.04	5.10	5.16	5.14	5.14	1
2	5.13	5.18	5.24	4.84	4.76	4.83	4.90	5.04	5.10	5.17	5.15	5.14	2
3	5.13	5.18	5.24	4.83	4.76	4.84	4.90	5.04	5.11	5.16	5.15	5.14	3
4	5.13	5.18	5.24	4.82	4.76	4.84	4.90	5.04	5.11	5.17	5.15	5.13	4
5	5.13	5.18	5.23	4.82	4.76	4.85	4.90	5.05	5.11	5.17	5.15	5.13	5
6	5.12	5.18	5.21	4.81	4.76	4.85	4.91	5.05	5.11	5.17	5.15	5.12	6
7	5.12	5.19	5.19	4.81	4.76	4.86	4.92	5.05	5.12	5.17	5.15	5.12	7
8	5.12	5.19	5.18	4.80	4.76	4.87	4.92	5.05	5.12	5.17	5.15	5.12	8
9	5.12	5.19	5.18	4.79	4.77	4.87	4.92	5.06	5.12	5.17	5.15	5.12	9
10	5.12	5.19	5.17	4.79	4.77	4.88	4.93	5.06	5.12	5.17	5.15	5.12	10
11	5.12	5.19	5.16	4.79	4.77	4.89	4.94	5.06	5.13	5.17	5.15	5.12	11
12	5.12	5.20	5.15	4.79	4.77	4.88	4.94	5.06	5.13	5.17	5.15	5.12	12
13	5.12	5.21	5.15	4.78	4.77	4.90	4.95	5.06	5.13	5.17	5.16	5.12	13
14	5.12	5.22	5.14	4.78	4.77	4.90	4.95	5.06	5.13	5.17	5.16	5.12	14
15	5.13	5.23	5.12	4.78	4.78	4.90	4.96	5.06	5.13	5.17	5.16	5.12	15
16	5.13	5.22	5.12	4.77	4.78	4.90	4.96	5.07	5.13	5.17	5.16	5.12	16
17	5.13	5.22	5.12	4.77	4.78	4.91	4.97	5.07	5.13	5.17	5.16	5.12	17
18	5.13	5.23	5.12	4.76	4.78	4.91	4.97	5.07	5.13	5.17	5.17	5.12	18
19	5.13	5.23	5.11	4.76	4.78	4.92	4.97	5.07	5.14	5.16	5.17	5.13	19
20	5.14	5.23	5.10	4.76	4.78	4.92	4.98	5.08	5.15	5.17	5.18	5.13	20
21	5.13	5.23	5.08	4.76	4.78	4.92	4.98	5.08	5.15	5.17	5.18	5.13	21
22	5.14	5.24	5.07	4.75	4.79	4.92	4.99	5.08	5.15	5.16	5.18	5.13	22
23	5.15	5.24	5.05	4.75	4.80	4.92	5.00	5.08	5.15	5.15	5.19	5.13	23
24	5.15	5.24	5.02	4.75	4.80	4.92	5.00	5.09	5.15	5.15	5.19	5.12	24
25	5.15	5.24	4.98	4.75	4.80	4.92	5.00	5.09	5.15	5.15	5.18	5.10	25
26	5.15	5.24	4.95	4.75	4.80	4.92	5.00	5.09	5.16	5.15	5.17	5.08	26
27	5.15	5.24	4.92	4.75	4.80	4.92	5.01	5.09	5.16	5.15	5.16	5.06	27
28	5.15	5.24	4.90	4.75	4.81	4.92	5.01	5.09	5.16	5.15	5.15	5.06	28
29	5.16		4.88	4.75	4.81	4.92	5.02	5.09	5.16	5.15	5.15	5.05	29
30	5.17		4.87	4.75	4.82	4.91	5.02	5.09	5.16	5.15	5.14	5.04	30
31	5.18		4.86		4.82		5.02	5.09		5.14		5.04	31
-MONTHLY SUMMARY-													
MEAN	5.14	5.21	5.10	4.78	4.78	4.89	4.96	5.07	5.13	5.16	5.16	5.11	MEAN
INST MAX	5.12 (11)	5.18 ( 1)	4.86 (11)	4.75 (24)	4.75 ( 1)	4.83 ( 1)	4.90 ( 1)	5.03 ( 1)	5.10 ( 1)	5.14 (31)	5.14 (30)	5.04 (31)	INST MAX
INST MIN	5.18 (31)	5.24 (24)	5.24 ( 4)	4.86 ( 1)	4.83 (31)	4.92 (21)	5.03 (31)	5.10 (31)	5.16 (30)	5.17 (10)	5.19 (22)	5.14 ( 1)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
SIMCOE COUNTY

OBSERVATION WELL 007  
TOWNSHIP OF ESSA

CONC. 3 LOT 30

WELL REC #1 5708713  
UTM CO-ORD: 7-17 E589H50 N4907950  
LAT & LONG: 44-19NORTH 79-5 WEST

REC METHOD: A35 RECORDER  
REC COMMCD: JUN 6 1950  
MEASURE PT: 0.46 METRES ABOVE GROUND SURFACE  
GND ELEV: 191 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: OVERBURDEN 6.1.

DIAMETER OF WELL: 91 CM  
LENGTH OF CASING: 6.1 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 6.1 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: OVERBURDEN  
QUALITY: FRESH

E - ESTIMATE

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.72	4.02 E	4.09 E	3.12	2.80	2.88	3.10	3.36	3.58	3.75	3.70	3.47	1
2	3.72	4.03 E	4.08 E	3.10	2.80	2.89	3.11	3.36	3.59	3.76	3.68	3.46	2
3	3.72	4.05 E	4.06 E	3.08	2.80	2.89	3.12	3.37	3.59	3.76	3.68	3.44	3
4	3.71	4.06 E	4.05 E	3.06	2.80	2.90	3.13	3.38	3.60	3.77	3.67	3.42	4
5	3.71	4.07 E	4.02 E	3.04	2.80	2.91	3.14	3.39	3.61	3.78	3.66	3.40	5
6	3.71	4.09 E	3.94 E	3.03	2.79	2.92	3.15	3.40	3.61	3.78	3.65	3.38	6
7	3.71	4.10 E	3.89 E	3.02	2.79	2.93	3.16	3.41	3.62	3.79	3.64	3.36	7
8	3.71	4.11 E	3.86 F	3.00	2.79	2.93	3.16	3.42	3.63	3.78	3.64	3.34	8
9	3.71	4.13 F	3.83 F	2.99	2.79	2.94	3.17	3.42	3.63	3.78	3.63	3.32	9
10	3.71	4.15 E	3.80 E	2.97	2.79	2.95	3.18	3.43	3.64	3.78	3.62	3.28	10
11	3.72 E	4.17 E	3.77 E	2.96	2.79	2.96	3.18	3.44	3.65	3.78	3.62	3.25	11
12	3.73 E	4.19 E	3.75 E	2.95	2.79	2.97	3.19	3.44	3.65	3.78	3.61	3.23	12
13	3.75 E	4.21 E	3.72 E	2.94	2.79	2.97	3.20	3.44	3.66	3.78	3.61	3.21	13
14	3.76 E	4.22 E	3.69 E	2.92	2.79	2.98	3.20	3.44	3.67	3.78	3.60	3.19	14
15	3.78 E	4.21 F	3.66 E	2.91	2.79	2.99	3.21	3.45	3.67	3.78	3.60	3.17	15
16	3.79 E	4.20 E	3.63 E	2.90	2.80	3.00	3.22	3.45	3.68	3.77	3.59	3.15	16
17	3.81 E	4.19 E	3.59 E	2.88	2.80	3.01	3.23	3.46	3.68	3.77	3.59	3.14	17
18	3.82 E	4.18 E	3.56 E	2.87	2.79	3.02	3.24	3.46	3.69	3.77	3.59	3.13	18
19	3.84 E	4.17 E	3.53 E	2.86	2.79	3.03	3.25	3.47	3.69	3.77	3.59	3.13	19
20	3.86 E	4.16 E	3.50 F	2.86	2.79	3.03	3.26	3.48	3.70	3.77	3.59	3.13	20
21	3.87 F	4.15 E	3.47 F	2.85	2.80	3.04	3.27	3.49	3.71	3.78	3.58	3.12	21
22	3.88 E	4.14 E	3.44 E	2.84	2.81	3.05	3.28	3.50	3.71	3.78	3.58	3.11	22
23	3.90 E	4.13 E	3.41 E	2.83	2.82	3.05	3.29	3.51	3.71	3.77	3.58	3.10	23
24	3.91 E	4.13 E	3.37 E	2.83	2.84	3.06	3.30	3.52	3.72	3.76	3.57	3.10	24
25	3.92 E	4.12 E	3.33 E	2.82	2.84	3.07	3.31	3.52	3.73	3.75	3.57	3.08	25
26	3.94 E	4.11 E	3.29 E	2.82	2.84	3.07	3.31	3.53	3.73	3.75	3.55	3.07	26
27	3.95 E	4.10 E	3.25 F	2.81	2.85	3.08	3.32	3.54	3.73	3.75	3.54	3.06	27
28	3.96 E	4.09 E	3.21 F	2.81	2.85	3.09	3.32	3.55	3.74	3.74	3.53	3.05	28
29	3.98 E		3.19	2.81	2.86	3.09	3.33	3.56	3.74	3.73	3.51	3.04	29
30	3.99 F		3.16	2.81	2.87	3.10	3.34	3.57	3.75	3.72	3.50	3.03	30
31	4.01 E		3.14		2.88		3.35	3.57		3.71		3.02	31

-MONTHLY SUMMARY-

MEAN	3.82	4.13	3.62	2.92	2.81	2.99	3.23	3.46	3.67	3.77	3.60	3.21	MEAN
INST MAX	3.71 ( 4 )	4.01 ( 1 )	3.13 ( 31 )	2.80 ( 30 )	2.79 ( 10 )	2.88 ( 1 )	3.10 ( 1 )	3.35 ( 1 )	3.58 ( 1 )	3.70 ( 31 )	3.48 ( 30 )	3.02 ( 31 )	INST MAX
INST MIN	4.01 ( 31 )	4.22 ( 14 )	4.09 ( 1 )	3.13 ( 1 )	2.88 ( 31 )	3.10 ( 30 )	3.35 ( 31 )	3.58 ( 31 )	3.75 ( 30 )	3.79 ( 7 )	3.70 ( 1 )	3.48 ( 1 )	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
SIMCOE COUNTY

OBSERVATION WELL 552  
TOWNSHIP OF VESPREA

CONC. 7 LOT 25

WELL REC #1 5714854  
UTM CO-ORD: Z-17 E601300 N4913300  
LAT & LONG: 44-22NORTH 79-44WEST

REC METHOD: A-35 RECORDER  
REC COMMCD: OCT. 17 1979  
MEASURE PT: 0.20 METRES ABOVE GROUND SURFACE  
GND ELEV: 235 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG:

DIAMETER OF WELL: 5 CM  
LENGTH OF CASING: 100.6 METRES  
LENGTH OF SCREEN: 3.1 METRES  
DEPTH OF WELL: 103.7 METRES

PUMP RATE: 2.66 L/S  
SPEC. CAP: 0.15 L/S/M  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

BLACK MUCK 0.9% LOOSE BROWN SAND 3.0% GREY CLAY 26.8% LAYERED GREY CLAY & SAND 31.4% PACKED GREY SAND 33.9% HARD GREY CLAY 41.5% LAYERED GREY CLAY & FINE SAND 46% PACKED GREY FINE SAND 48.8% HARD GREY CLAY 51.5% PACKED GREY FINE SAND 68.6% HARD GREY CLAY & SILT 77.2% LAYERED GREY CLAY & SAND 80.8% PACKED GREY FINE SAND & FINE GRAVEL 83.8% PACKED GREY CLAY & GRAVEL 85.4% CEMENTED SAND & GRAVEL 86.3% SAND & GRAVEL, BOULDERS 90% GREY SAND & SOME FINE GRAVEL 93.6% HARD PACKED GRAVEL WITH SAND & BOULDERS 103.1% HARD GREY CLAY 105.5.

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1											8.97	9.13	1
2											8.98	8.95	2
3											8.98	8.84	3
4											8.97	8.97	4
5											8.93	9.00	5
6											8.69	8.92	6
7											8.41	9.12	7
8											8.50	9.35	8
9											8.80	9.24	9
10											9.31	9.23	10
11											9.45	9.39	11
12											9.62	9.56	12
13											9.65	9.48	13
14											9.40	9.33	14
15											9.06	9.33	15
16											8.95	8.91	16
17											9.32	8.82	17
18										9.82	9.41	8.82	18
19										9.85	9.35	8.56	19
20										9.71	9.27	8.31	20
21										9.33	9.31	8.26	21
22										9.33	9.32	8.30	22
23										9.07	9.13	8.33	23
24										9.00	8.97	8.32	24
25										8.99	8.67	8.25	25
26										9.01	8.55	8.23	26
27										8.97	8.80	8.24	27
28										8.72	8.83	8.13	28
29										8.41	8.91	8.08	29
30										8.55	8.98	8.03	30
31										8.84		8.13	31

-MONTHLY SUMMARY-

MEAN											9.05	8.76	MEAN
INST MAX											8.37 ( 8 )	7.98 ( 30 )	INST MAX
INST MIN											9.67 ( 13 )	9.57 ( 12 )	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
SIMCOE COUNTY

OBSERVATION WELL 373

VILLAGE OF WASAGA BEACH

CONC. =

LOT =

WELL REC #1 5709214

UTM CO-ORD: 2-17 E578250 N4931025

LAT & LONG: 44-32N087W 80-01WEST

REC METHOD: A35 RECORDER  
REC COMM: OCT 31 1972  
MEASURE PT: 0.9 METRES ABOVE GROUND SURFACE  
GND ELEV: 180 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: FINE SAND 6.7% SAND AND GRAVEL 9.2% GREY CLAY 26.5% FINE SAND 28.3% CLAY 29.2% FINE SAND 30.8% MEDIUM SAND 36.3% SAND WITH STREAKS OF CLAY 39.7% CLAY AND SILT 51.2% FINE SAND 51.9% MEDIUM SAND 54.9% SAND AND GRAVEL 59.2% GREY CLAY 61.

DIAMETER OF WELL: 15 CM  
LENGTH OF CASING: 51.9 METRES  
LENGTH OF SCREEN: 7.3 METRES  
DEPTH OF WELL: 59.2 METRES

PUMP RATE: 34.2 L/S  
SPEC. CAP: 1.62 L/S/M  
AQUIFER: SAND  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.68				1.42	1.46	1.52	1.61	1.53	1.51	1.53	1.47	1
2	1.66				1.46	1.45	1.50	1.58	1.52	1.54	1.44	1.46	2
3	1.60				1.44	1.48	1.49	1.54	1.52	1.51	1.46	1.36	3
4	1.56				1.40	1.48	1.49	1.62	1.52	1.50	1.49	1.36	4
5	1.60				1.42	1.46	1.48	1.63	1.51	1.48	1.51	1.41	5
6	1.62				1.48	1.49	1.51	1.64	1.46	1.48	1.51		6
7	1.64				1.49	1.51	1.54	1.58	1.48	1.45	1.47		7
8	1.64				1.44	1.48	1.58	1.54	1.51	1.52	1.41		8
9	1.62				1.43	1.49	1.58	1.54	1.51	1.51	1.48		9
10	1.65				1.44	1.47	1.54	1.52	1.46	1.50	1.47		10
11	1.68				1.44	1.42	1.54	1.53	1.51	1.51	1.52		11
12	1.69				1.41	1.44	1.55	1.57	1.52	1.48	1.50		12
13	1.70				1.43	1.45	1.56	1.51	1.49	1.46	1.49		13
14	1.61				1.43	1.47	1.58	1.40	1.43	1.49	1.49		14
15	1.61				1.42	1.45	1.60	1.47	1.45	1.48	1.47		15
16	1.65				1.42	1.48	1.60	1.52	1.49	1.53	1.49		16
17	1.67				1.46	1.50	1.61	1.52	1.46	1.51	1.44	1.44	17
18	1.66				1.45	1.49	1.60	1.50	1.40	1.53	1.52	1.50	18
19	1.71			1.46	1.49	1.53	1.61	1.51	1.46	1.54	1.55	1.57	19
20	1.71			1.46	1.50	1.56	1.62	1.52	1.45	1.50	1.48	1.57	20
21	1.66			1.46	1.49	1.52	1.65	1.53	1.44	1.49	1.55	1.57	21
22	1.63			1.45	1.48	1.44	1.68	1.55	1.48	1.51	1.55	1.54	22
23	1.70			1.47	1.47	1.44	1.69	1.54	1.51	1.48	1.50	1.52	23
24	1.71			1.47	1.45	1.48	1.68	1.49	1.52	1.44	1.47	1.54	24
25	1.65			1.46	1.45	1.49	1.65	1.47	1.48	1.46	1.51	1.51	25
26	1.64			1.43	1.44	1.50	1.59	1.51	1.48	1.48	1.48	1.47	26
27	1.66			1.39	1.44	1.48	1.60	1.49	1.51	1.52	1.41	1.45	27
28				1.45	1.44	1.50	1.60	1.49	1.49	1.46	1.40	1.41	28
29				1.44	1.44	1.51	1.62	1.49	1.51	1.49	1.42	1.40	29
30				1.46	1.45	1.51	1.64	1.48	1.50	1.56	1.41	1.42	30
31					1.46		1.61	1.52		1.60		1.44	31
-MONTHLY SUMMARY-													
MEAN				1.45	1.45	1.48	1.58	1.53	1.49	1.50	1.48		MEAN
INST MAX					1.34	1.35	1.45	1.35	1.35	1.38	1.28		INST MAX
					( 3 )	( 11 )	( 5 )	( 14 )	( 10 )	( 7 )	( 8 )		
INST MIN					1.54	1.62	1.74	1.75	1.58	1.62	1.61		INST MIN
					( 20 )	( 21 )	( 22 )	( 7 )	( 1 )	( 31 )	( 21 )		

ENVIRONMENT ONTARIO  
TORONTO  
VICTORIA COUNTY

OBSERVATION WELL 375

TOWNSHIP OF MARIPOSA

CONC. 15

LOT 6

WELL REC #1 6403790

UTM CO-ORD: 2-17 E660200 N4917700

LAT & LONG: 44-24N087W 78-59WEST

REC METHOD: 1F1 TYPE RECORDER  
REC COMM: NOV 9 1972  
MEASURE PT: 0.93 METRES ABOVE GROUND SURFACE  
GND ELEV: 283 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: PACKED BROWN CLAY AND STONES 2.4% LOOSE BROWN GRAVEL 5.5% LIMESTONE 11.6%

DIAMETER OF WELL: 20 CM  
LENGTH OF CASING: 5.5 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 11.6 METRES

PUMP RATE: 3 L/S  
SPEC. CAP: 0.13 L/S/M  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				2.13	2.35	2.50	2.77		2.98	3.10	2.83	2.51	1
2				2.08	2.37	2.52	2.81		2.92	3.06	2.83	2.50	2
3				2.09	2.40	2.55	2.78		2.96	3.08	2.81	2.50	3
4				2.12	2.35	2.58	2.80		2.98	3.12	2.81	2.49	4
5				2.10	2.31	2.57	2.83		2.94	3.03	2.82	2.49	5
6	2.84			2.18	2.32	2.60	2.85		2.99	3.10	2.83	2.46	6
7	2.85		2.66	2.13	2.36		2.89		2.99	3.01	2.83	2.45	7
8	2.86	3.03	2.60		2.34	2.63	2.87		2.96	3.04	2.80	2.44	8
9	2.88	3.04	2.56			2.63	2.89		3.03	2.92	2.82	2.46	9
10	2.90		2.51		2.38	2.62			3.02	2.97	2.82	2.46	10
11	2.90		2.50	2.16	2.42	2.61			2.98	2.96	2.79	2.44	11
12	2.92		2.49	2.18	2.37	2.62			3.06	2.93	2.79	2.39	12
13	2.92		2.48	2.14	2.35	2.65			3.04	2.88	2.79	2.41	13
14	2.93		2.37	2.15	2.36	2.67			2.97	2.94	2.80	2.42	14
15	2.93		2.36	2.11	2.33	2.69			3.01	2.92	2.80	2.41	15
16	2.95		2.37	2.18	2.28	2.76			3.00	2.92		2.40	16
17	2.95		2.34	2.16	2.35	2.70			2.97	2.93		2.42	17
18			2.30	2.20	2.32	2.83				2.94		2.42	18
19			2.27	2.20	2.39	2.76				2.91		2.43	19
20			2.22	2.22	2.35	2.87			3.06	2.89		2.44	20
21			2.17	2.24	2.40	2.76			2.98	2.85	2.77	2.44	21
22			2.12	2.24	2.40	2.77		2.91	3.04	2.86	2.76	2.39	22
23			2.06	2.28	2.43	2.82		2.98	2.99	2.87	2.72	2.25	23
24			2.01	2.25	2.42	2.77		2.87	3.05	2.86	2.68	2.18	24
25			1.99	2.33	2.44	2.83			3.01	2.82	2.69	2.09	25
26			2.05	2.28	2.42	2.85			2.92	2.83	2.61	2.11	26
27			2.10	2.30	2.44	2.91		2.91	3.07	2.84	2.61	2.10	27
28			2.12	2.27	2.46	2.92		2.91	3.02	2.84	2.55	2.14	28
29			2.13	2.35	2.45	2.82		2.93	3.07	2.83	2.51	2.16	29
30			2.10	2.33	2.46	2.82			3.03	2.83	2.52	2.16	30
31			2.09		2.47			2.90		2.80		2.17	31
-MONTHLY SUMMARY-													
MEAN										2.93		2.36	MEAN
INST MAX										2.77		2.00	INST MAX
										( 31 )		( 27 )	
INST MIN										3.22		2.60	INST MIN
										( 2 )		( 1 )	

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 528

TOWNSHIP OF E. GWILLIMURRY

CONC. 5

LOT 26

WELL REC #1 6900491  
UTM CO-ORD: Z-17 E627759 N4891917  
LAT & LONG: 44-10 NORTH 79-24 WEST

REC METHOD: A71 RECORDER  
REC COMMOD: NOV. 30 1976  
MEASURE PT: 0.0 METRES ABOVE GROUND SURFACE  
GND ELEV: 252 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: QUICKSAND 5.3.

DIAMETER OF WELL: 91 CM  
LENGTH OF CASING: 5.3 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 5.3 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: QUICKSAND  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.13	2.14				1.26	1.68	2.00	2.14	2.18	2.11	1.89	1
2	2.07	2.14				1.29	1.68	2.01	2.14	2.18	2.11	1.88	2
3	2.03	2.14				1.31	1.69	2.02	2.15	2.18	2.10	1.88	3
4	2.01	2.15				1.33	1.70	2.03	2.15	2.18	2.10	1.88	4
5	2.01	2.15			1.41	1.35	1.72	2.03	2.15	2.18	2.11	1.88	5
6	2.00	2.15			1.42	1.37	1.73	2.04	2.15	2.18	2.10	1.88	6
7	2.01	2.16			1.40	1.39	1.74	2.05	2.16	2.18	2.10	1.88	7
8	2.01	2.16			1.41	1.38	1.75	2.06	2.17	2.18	2.10	1.88	8
9	2.02	2.16			1.44	1.36	1.76	2.07	2.17	2.18	2.10	1.88	9
10	2.04	2.17			1.41	1.38	1.77	2.07	2.17	2.17	2.10	1.88	10
11	2.05	2.17			1.09	1.37	1.78	2.07	2.18	2.16	2.09	1.87	11
12	2.06	2.17			1.06	1.39	1.79	2.07	2.18	2.16	2.09	1.87	12
13	2.07	2.18			0.87	1.42	1.80	2.07	2.18	2.15	2.09	1.87	13
14	2.08	2.19			0.93	1.44	1.81	2.08	2.18	2.15	2.09	1.87	14
15	2.09	2.19			0.91	1.46	1.82	2.08	2.18	2.15	2.08	1.87	15
16	2.10	2.19			0.94	1.48	1.84	2.09	2.18	2.15	2.09	1.87	16
17	2.10	2.19			1.02	1.50	1.84	2.09	2.17	2.15	2.08	1.87	17
18	2.11	2.19			1.07	1.53	1.85	2.10	2.17	2.15	2.08	1.87	18
19	2.12	2.19			1.10	1.55	1.86	2.10	2.17	2.15	2.09	1.88	19
20	2.13	2.17			1.13	1.57	1.88	2.11	2.17	2.15	2.09	1.88	20
21	2.13	2.14			1.15	1.58	1.89	2.12	2.17	2.14	2.09	1.88	21
22	2.13	2.14			1.17	1.59	1.90	2.13	2.17	2.14	2.09	1.88	22
23	2.14	2.13			1.19	1.60	1.92	2.14	2.17	2.13	2.08	1.88	23
24	2.15	1.84			1.21	1.61	1.93	2.14	2.17	2.13	2.07	1.84	24
25	2.13				1.22	1.62	1.94	2.14	2.17	2.12	2.05	1.77	25
26	2.12				1.09	1.62	1.95	2.13	2.17	2.12	2.02	1.65	26
27	2.11				1.13	1.64	1.96	2.12	2.17	2.12	1.99	1.60	27
28	2.12				1.18	1.66	1.97	2.12	2.17	2.11	1.96	1.59	28
29	2.12				1.21	1.67	1.98	2.12	2.18	2.11	1.93	1.59	29
30	2.13				1.21	1.68	1.98	2.13	2.18	2.11	1.90	1.60	30
31	2.13				1.23		1.99	2.13		2.11		1.60	31

—MONTHLY SUMMARY—

MEAN	2.09					1.48	1.84	2.09	2.17	2.15	2.07	1.82	MEAN
INST	2.00					1.25	1.68	2.00	2.14	2.11	1.89	1.59	INST
MAX	( 6 )					( 1 )	( 1 )	( 1 )	( 1 )	( 29 )	( 30 )	( 28 )	MAX
INST	2.15					1.68	2.00	2.14	2.18	2.18	2.11	1.89	INST
MIN	( 1 )					( 30 )	( 31 )	( 24 )	( 13 )	( 3 )	( 1 )	( 1 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 527

TOWNSHIP OF GEORGINA

CONC. 7

LOT 17

WELL REC #1 6913678  
UTM CO-ORD: Z-17 E630200 N4903450  
LAT & LONG: 44-17 NORTH 79-22 WEST

REC METHOD: A71 RECORDER  
REC COMMOD: NOV. 30 1976  
MEASURE PT: 0.3 METRES ABOVE GROUND SURFACE  
GND ELEV: 223 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: OVERBURDEN 3.80.

DIAMETER OF WELL: 91 CM  
LENGTH OF CASING: 3.8 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 3.8 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: OVERBURDEN  
QUALITY: N.A.

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.99	2.99	3.00	1.48	1.41	1.78	2.60	2.99	3.11	3.23	3.03	2.62	1
2	2.96	2.99	3.00	1.45	1.43	1.82	2.61	2.99	3.12	3.24	3.02	2.62	2
3		3.00	2.99	1.43	1.43	1.86	2.62	3.00	3.12	3.24	3.02	2.62	3
4	2.86	3.00	2.92	1.42	1.41	1.90	2.63	3.01	3.12	3.24	3.01	2.61	4
5	2.85	3.00	2.74	1.40	1.42	1.94	2.66	3.01	3.13	3.24	3.01	2.60	5
6	2.84	3.01	2.54	1.39	1.44	1.99	2.68	3.02	3.14	3.23	3.00	2.60	6
7	2.84	3.01	2.40	1.41	1.43	2.03	2.70	3.03	3.14	3.23	2.99	2.59	7
8	2.85	3.02	2.27	1.40	1.44	2.07	2.72	3.03	3.15	3.23	2.99	2.59	8
9	2.86	3.02	2.18	1.40	1.48	2.09	2.73	3.04	3.16	3.22	2.98	2.59	9
10	2.87	3.02	2.08	1.43	1.51	2.10	2.75	3.03	3.16	3.21	2.97	2.59	10
11	2.90	3.03	2.04	1.41	1.53	2.11	2.76	3.03	3.16	3.21	2.97	2.59	11
12	2.91		2.03	1.37	1.54	2.13	2.78	3.03	3.16	3.19	2.96	2.58	12
13	2.92		2.03	1.35	1.45	2.15	2.80	3.03	3.17	3.18	2.96	2.58	13
14	2.93		1.89	1.29	1.38	2.18	2.81	3.03	3.16	3.18	2.95	2.57	14
15	2.94		1.80	1.24	1.38	2.21	2.82	3.04	3.16	3.17	2.95	2.57	15
16	2.95		1.78	1.23	1.37	2.24	2.83	3.04	3.17	3.16	2.94	2.57	16
17	2.96		1.80	1.24	1.40	2.28	2.85	3.05	3.17	3.16	2.94	2.58	17
18	2.96		1.76	1.27	1.44	2.32	2.86	3.05	3.17	3.15	2.94	2.59	18
19	2.97		1.71	1.29	1.48	2.36	2.88	3.05	3.18	3.14	2.93	2.60	19
20	2.97	3.08	1.68	1.32	1.53	2.40	2.89	3.06	3.18	3.13	2.93	2.61	20
21	2.97	3.09	1.66	1.34	1.57	2.42	2.91	3.07	3.19	3.12	2.93	2.62	21
22	2.98	3.10	1.63	1.37	1.61	2.44	2.92	3.07	3.19	3.11	2.92	2.62	22
23	2.99	3.10	1.60	1.39	1.64	2.45	2.93	3.08	3.20	3.10	2.90	2.58	23
24	3.00	3.09	1.55	1.41	1.68	2.47	2.94	3.07	3.20	3.09	2.88	2.49	24
25	3.00	3.06	1.51	1.43	1.71	2.50	2.95	3.08	3.21	3.08	2.85	2.34	25
26	3.00	3.04	1.48	1.44	1.67	2.53	2.96	3.08	3.21	3.08	2.80	2.16	26
27	3.00	3.02	1.49	1.41	1.64	2.55	2.96	3.08	3.22	3.07	2.76	2.04	27
28	2.99	3.01	1.50	1.39	1.66	2.57	2.97	3.09	3.22	3.06	2.71	2.00	28
29	2.99		1.50	1.39	1.68	2.59	2.97	3.09	3.23	3.05	2.67	1.98	29
30	2.99		1.50	1.40	1.71	2.60	2.98	3.10	3.23	3.04	2.64	1.96	30
31	2.99		1.48		1.75		2.99	3.10		3.04		1.97	31

—MONTHLY SUMMARY—

MEAN			1.99	1.37	1.52	2.24	2.82	3.05	3.17	3.16	2.92	2.47	MEAN
INST			1.48	1.23	1.37	1.77	2.60	2.99	3.11	3.04	2.63	1.96	INST
MAX			( 26 )	( 16 )	( 16 )	( 1 )	( 1 )	( 1 )	( 1 )	( 31 )	( 30 )	( 30 )	MAX
INST			3.01	1.48	1.77	2.60	2.99	3.11	3.23	3.24	3.04	2.63	INST
MIN			( 1 )	( 1 )	( 31 )	( 30 )	( 31 )	( 31 )	( 30 )	( 4 )	( 1 )	( 22 )	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 342  
TOWNSHIP OF KING

OS 2  
LOT 19

WELL REC #1 6902665  
UTM CO-ORDS Z-17 E616574 N4884788  
LAT & LONG: 44-07N08TH 79-13W5T

REC METHOD: A35 RECORDER  
REC COMMENT: MAY 26 1971  
MEASURE PT: 0.0 METRES ABOVE GROUND SURFACE  
GND ELEV: 220 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: CLAY 12.2% LIGHT SAND AND CLAY 62.5% HEAVY RED SAND 70.5% QUICKSAND AND GRAVEL 93.

DIAMETER OF WELL: 15 CM  
LENGTH OF CASING: 91.2 METRES  
LENGTH OF SCREEN: 0.9 METRES  
DEPTH OF WELL: 92.1 METRES

PUMP RATE: 5.7 L/S  
SPEC. CAP: 0.02 L/S/M  
AQUIFER: SAND  
QUALITY: FRESH

1979 DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.52	10.83		11.26	11.40	11.52	11.96	12.96	11.14		12.53	12.42	1
2	10.69	10.66	11.24	11.23	11.37	11.66	11.73	12.92	11.11		12.52	12.31	2
3	10.74	10.55	11.14	11.35	11.26	11.65	11.93	12.99	11.01		12.57	12.40	3
4	10.90	10.50	10.95	11.32	11.25	11.65	12.13	13.03	11.00		12.40	12.42	4
5	11.05	10.44	11.07	11.20	11.26	11.56	12.13	13.05	10.99	12.40	12.43	12.33	5
6	10.94	10.29	11.12	11.21	11.11	11.49	12.34	12.99	10.93	12.24	12.48	12.41	6
7	10.85	10.17	11.16	11.31	11.42	11.63	12.38	12.67	10.96	12.07	12.48	12.35	7
8	10.88	10.17	11.20	11.24	10.77	11.64		12.11	11.01	12.04	12.39	12.50	8
9	10.91	10.48	11.29	11.13	10.56	11.78		12.00	10.95	12.20	12.40	12.28	9
10	11.01	10.61	11.24	11.53	10.47	11.83		11.94	10.83	12.26	12.35	12.29	10
11	10.97	10.59	11.12	11.55	10.65	11.70			10.86	12.33	12.34	12.39	11
12	10.98	10.72	11.17	11.51	10.95	11.53			10.81	12.48	12.38	12.54	12
13	10.90	10.47	11.26	11.26	10.93	11.67			10.77	12.43	12.39	12.39	13
14	10.76	11.05	11.46	11.24	10.96	11.92			10.97	12.21	12.52	12.39	14
15	10.86	11.04	11.41	11.10	11.05	12.20			11.60	12.25	12.42	12.30	15
16	11.06	11.12	11.29	11.07	11.08	12.16				12.38	12.53	12.06	16
17	11.01	11.03	11.24	11.25	11.23	11.89				12.45	12.33	12.18	17
18	11.20	10.80	11.03	11.21	11.32	11.45				12.52	12.33	12.23	18
19	11.30	10.97	10.98	11.38	11.41	11.87				12.47	12.49	12.32	19
20	11.22	11.35	11.01	11.39	11.31	12.12				12.47	12.56	12.37	20
21	11.00	11.13	11.27	11.32	11.11	12.17	12.95			12.36	12.58	12.33	21
22	11.07	11.27	11.51	11.36	11.15	12.12	12.98			12.48	12.58	12.43	22
23	11.30	11.28	11.38	11.33	11.10	11.90	12.98			12.46	12.59	12.15	23
24	11.21	11.32	11.24	11.31	11.37	11.78				12.41	12.62	12.22	24
25	11.19	11.03	11.08	11.26	11.31	12.00	13.12			12.37	12.55	11.93	25
26	11.32	11.08	11.09	11.46	11.19	12.20	12.93			12.52	12.42	11.84	26
27	11.42	11.21	11.29	11.39	11.18	12.33		11.19		12.54	12.49	11.98	27
28	11.22	11.23	11.22	11.42	11.20	12.27	12.98	11.23		12.32	12.36	12.20	28
29	11.27		11.32	11.40	11.21	12.70	12.92	11.18		12.33	12.45	12.04	29
30	11.35		11.38	11.54	11.11	12.29	12.94	11.14		12.48	12.38	11.94	30
31	11.34		11.37		11.47		13.02			12.49		11.97	31
-MONTHLY SUMMARY-													
MEAN	11.05	10.85		11.33	11.13	11.89					12.46	12.26	MEAN
INST	9.98	9.68		10.42	9.89	10.76					11.60	11.16	INST
MAX	( 2)	( 8)		(16)	(11)	( 1)					(18)		MAX
INST	11.69	11.63		12.02	11.94	12.73					13.00	12.91	INST
MIN	(27)	(24)		(30)	(31)	(30)					(24)	(12)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 343  
TOWNSHIP OF KING

CONC. 3  
LOT 9

WELL REC #1 6910967  
UTM CO-ORDS Z-17 E615075 N4880425  
LAT & LONG: 44-04N08TH 79-34W5T

REC METHOD: A35 RECORDER  
REC COMMENT: MAY 26 1971  
MEASURE PT: 0.8 METRES ABOVE GROUND SURFACE  
GND ELEV: 220 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: PEAT (MUCK) 3.5.

DIAMETER OF WELL: 91 CM  
LENGTH OF CASING: 3.5 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 3.5 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: PEAT  
QUALITY: FRESH

1979 DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.49	1.43	1.57	1.09	1.06	1.15	1.49	1.65	1.59	1.64	1.33	1.14	1
2	1.45	1.43	1.55	1.09	1.05	1.16	1.50	1.66	1.60	1.65	1.33	1.14	2
3	1.42	1.44	1.45	1.08	1.05	1.17	1.51	1.65	1.60	1.66	1.32	1.15	3
4	1.41	1.44	0.73	1.08	1.04	1.18	1.51	1.66	1.60	1.66	1.32	1.16	4
5	1.40	1.45	0.34	1.08	1.04	1.13	1.52	1.65	1.61	1.66	1.32	1.17	5
6	1.40	1.46	0.54	1.06	1.04	1.16	1.53	1.65	1.61	1.65	1.32	1.17	6
7	1.40	1.47		1.05	1.03	1.18	1.54	1.66	1.62	1.63	1.31	1.18	7
8	1.40	1.47		1.05	1.03	1.20	1.55	1.66	1.62	1.61	1.31	1.18	8
9	1.40	1.47		1.04	1.04	1.22	1.56	1.66	1.64	1.58	1.32	1.18	9
10	1.41	1.48		1.04	1.05	1.24	1.57	1.65	1.64	1.54	1.31	1.19	10
11	1.41	1.48		1.04	1.05	1.25	1.58	1.64	1.65	1.51	1.30	1.19	11
12	1.42	1.51		1.05	1.04	1.26	1.58	1.61	1.66	1.48	1.30	1.19	12
13	1.43	1.52		1.05	0.99	1.27	1.57	1.58	1.67	1.46	1.30	1.19	13
14	1.45	1.53	0.84	1.03	0.95	1.28	1.57	1.56	1.66	1.43	1.30	1.20	14
15	1.45	1.54	0.83	0.97	0.96	1.30	1.56	1.55	1.64	1.42	1.29	1.20	15
16	1.47	1.55		0.97	0.95	1.31	1.55	1.55	1.61	1.40	1.30	1.20	16
17	1.48	1.55	0.97	0.98	0.95	1.32	1.54	1.56	1.60	1.39	1.30	1.21	17
18	1.49	1.55	0.99	0.98	0.96	1.34	1.54	1.56	1.58	1.38	1.30	1.21	18
19	1.50	1.59	1.01	1.00	0.98	1.35	1.54	1.56	1.57	1.38	1.30	1.22	19
20	1.51	1.61	1.03	1.01	1.00	1.37	1.54	1.57	1.57	1.37	1.30	1.23	20
21	1.51	1.62	1.05	1.03	1.03	1.38	1.55	1.57	1.57	1.36	1.30	1.24	21
22	1.53	1.62	1.07	1.04	1.04	1.39	1.55	1.58	1.57	1.35	1.30	1.25	22
23	1.54	1.63	1.08	1.05	1.07	1.40	1.55	1.59	1.57	1.35	1.29	1.24	23
24	1.54	1.63	1.09	1.06	1.09	1.42	1.57	1.59	1.57	1.34	1.27	1.20	24
25	1.52	1.61	1.06	1.07	1.11	1.43	1.58	1.59	1.58	1.34	1.24	1.19	25
26	1.48	1.60	1.02	1.07	1.12	1.44	1.59	1.58	1.59	1.34	1.21	0.95	26
27	1.46	1.59	1.03	1.07	1.12	1.46	1.60	1.58	1.60	1.34	1.18	0.96	27
28	1.44	1.58	1.05	1.07	1.11	1.47	1.61	1.58	1.61	1.34	1.15	0.98	28
29	1.43		1.07	1.06	1.12	1.48	1.62	1.58	1.62	1.33	1.14	0.99	29
30	1.43		1.08	1.06	1.12	1.49	1.64	1.58	1.63	1.33	1.13	1.01	30
31	1.43		1.08		1.14		1.64	1.58		1.33		1.03	31
-MONTHLY SUMMARY-													
MEAN	1.45	1.53		1.04	1.04	1.31	1.56	1.60	1.61	1.46	1.28	1.15	MEAN
INST	1.49	1.43		0.96	0.95	1.12	1.49	1.55	1.57	1.33	1.13	0.95	INST
MAX	( 6)	( 2)		(15)	(16)	( 5)	( 1)	(16)	(22)	(31)	(29)	(26)	MAX
INST	1.55	1.63		1.09	1.14	1.49	1.65	1.67	1.67	1.66	1.33	1.25	INST
MIN	(24)	(23)		( 2)	(31)	(30)	(31)	( 9)	(13)	( 5)	( 1)	(22)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 106  
TOWNSHIP OF MARKHAM

CONC. 3  
LOT 6

WELL REC #1 6911674  
UTM CO-ORD: Z-17 E632292 N4854345  
LAT & LONG: 43-50NORTH 79-21WEST

REC METHOD: 1F1 TYPE RECORDER  
REC COMMENT: SEP 15 1963  
MEASURE PT: 0.3 METRES ABOVE GROUND SURFACE  
GND ELEV: 185 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: SANDY CLAY, GRAVEL 12.21 DIRTY SILT 12.31 DIRTY SAND AND GRAVEL 18.31 SAND AND GRAVEL 21.31 SAND, GRAVEL AND BOULDER 26.1 FINE SAND 30.21 HARD PACKED SAND, GRAVEL 31.7.

DIA METER OF WELL: 20 CM  
LENGTH OF CASING: 26.4 METRES  
LENGTH OF SCREEN: 5.3 METRES  
DEPTH OF WELL: 31.7 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: 1 SAND AND GRAVEL  
QUALITY: 1 FRESH

1979 DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	13.74	13.65	13.67	13.61		13.38	13.43	13.51	13.52	13.51	13.40	13.31	1
2	13.74	13.68	13.69	13.56		13.38	13.44	13.50		13.50	13.39	13.33	2
3	13.75	13.66	13.67	13.60		13.37	13.47	13.52		13.50	13.39	13.32	3
4	13.75	13.63	13.63	13.56		13.36	13.46	13.52		13.51	13.41	13.27	4
5	13.76		13.64			13.37	13.48	13.52		13.50	13.42	13.23	5
6	13.73		13.63			13.39	13.49	13.52	13.49	13.48		13.23	6
7	13.71	13.68	13.62			13.40	13.49	13.51	13.52	13.47		13.23	7
8	13.70	13.70	13.62			13.40	13.49	13.52	13.55	13.51		13.28	8
9	13.72	13.73	13.62		13.38	13.41	13.47	13.53	13.55	13.50	13.40	13.29	9
10	13.74	13.72	13.61			13.37	13.37	13.46	13.49	13.52	13.51	13.41	10
11	13.75	13.74	13.61			13.37	13.39	13.47	13.52	13.55	13.48	13.45	11
12	13.73	13.71	13.62			13.37	13.42	13.48	13.54	13.55	13.45	13.24	12
13	13.68	13.72	13.60			13.38	13.44	13.47	13.53	13.52	13.47	13.27	13
14	13.68	13.71	13.58			13.38	13.43	13.47	13.52	13.49	13.50	13.40	14
15	13.75	13.69	13.66			13.38	13.41	13.48	13.55	13.52	13.48	13.38	15
16	13.74	13.72	13.66			13.41	13.40	13.50	13.56	13.54	13.48	13.39	16
17	13.68	13.77	13.66			13.41	13.40	13.51	13.54	13.52	13.48	13.37	17
18	13.73	13.74	13.64			13.37	13.43	13.51	13.52	13.49	13.48	13.38	18
19	13.72	13.69	13.63			13.35	13.46	13.51	13.53	13.51	13.45	13.39	19
20	13.65	13.69	13.62			13.35	13.45	13.51	13.55	13.51	13.43	13.39	20
21	13.62	13.66	13.62			13.36	13.42	13.51	13.55	13.50	13.43	13.40	21
22	13.69	13.72	13.63			13.39	13.41	13.51	13.54	13.51	13.43	13.36	22
23	13.71	13.69	13.59			13.37	13.43	13.52	13.52	13.54	13.49	13.34	23
24	13.64	13.70	13.56			13.36	13.46	13.52	13.52	13.54	13.40	13.35	24
25	13.64	13.70	13.57			13.35	13.48	13.50	13.53	13.51	13.42	13.36	25
26	13.67	13.66	13.62			13.34	13.47	13.50	13.55	13.52	13.44	13.29	26
27	13.64	13.66	13.65			13.36	13.44	13.52	13.53	13.52	13.43	13.33	27
28	13.62	13.68	13.65			13.37	13.45	13.52	13.52	13.51	13.38	13.30	28
29	13.64		13.60			13.38	13.44	13.52	13.50	13.51	13.42	13.30	29
30	13.65		13.60			13.38	13.43	13.52	13.51	13.51	13.45	13.29	30
31	13.64		13.59			13.39	13.51	13.54		13.44		13.19	31
-MONTHLY SUMMARY-													
MEAN	13.70		13.62			13.42	13.49	13.53		13.46		13.25	MEAN
INST	13.61		13.56			13.35	13.42	13.48		13.38		13.18	INST
MAX	(21)		(25)			(10)	(1)	(10)		(28)		(30)	MAX
INST	13.76		13.70			13.48	13.53	13.57		13.52		13.35	INST
MIN	(5)		(2)			(25)	(30)	(16)		(8)		(3)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 305  
TOWNSHIP OF MARKHAM

CONC. 9  
LOT 26

WELL REC #1 6910969  
UTM CO-ORD: Z-17 E642160 N4866300  
LAT & LONG: 43-56NORTH 79-14WEST

REC METHOD: 1F1 TYPE RECORDER  
REC COMMENT: JUN 1970  
MEASURE PT: 0.2 METRES ABOVE GROUND SURFACE  
GND ELEV: 237 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: OVERBURDEN TILL 6.1.

DIA METER OF WELL: 122 CM  
LENGTH OF CASING: 6.1 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 20 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: 1 TILL  
QUALITY: 1 FRESH

1979 DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.10	1.27		0.66	0.66	1.07	1.15	1.61	1.64	1.62	0.84	0.41	1
2	1.06	1.27		0.59	0.67	1.12	1.09	1.61		1.62	0.89	0.48	2
3		1.28	1.32	0.57	0.66	1.17	1.14	1.60		1.60	0.93	0.57	3
4	1.09	1.28	1.28	0.63	0.60	1.23	1.21	1.60		1.59	0.95	0.63	4
5	1.10		1.17	0.62	0.64	1.27	1.24	1.61		1.46	0.96	0.64	5
6	1.16		1.07	0.55	0.67	1.31	1.26	1.62	1.64	1.29	0.98	0.63	6
7	1.24		1.07	0.59	0.67	1.33	1.33	1.62	1.65	1.18	1.03	0.62	7
8	1.26		1.02	0.60	0.70	1.31	1.36	1.62	1.65	1.12	1.06	0.59	8
9	1.28		1.02	0.60	0.73	1.27	1.37	1.62	1.65	1.09	1.08	0.62	9
10	1.30		0.99	0.61	0.78	1.26	1.40	1.62	1.66	0.89	0.78	0.65	10
11	1.31		0.99	0.58	0.81	1.24	1.40	1.62	1.66	0.86	0.63	0.64	11
12	1.34		1.02	0.58	0.83	1.24	1.43	1.63	1.66	0.82	0.64	0.59	12
13	1.36		1.10	0.59	0.77	1.25	1.46	1.63	1.66	0.69	0.70	0.60	13
14	1.34		0.99	0.45	0.76	1.29	1.48	1.64	1.58	0.64	0.76	0.64	14
15	1.34		1.02	0.51	0.78	1.31	1.50	1.65	1.36	0.67	0.80	0.69	15
16	1.34		1.08	0.56	0.77	1.32	1.46	1.65	1.37	0.76	0.78	0.72	16
17	1.34		1.11	0.60	0.79	1.34	1.46	1.66	1.43	0.84	0.80	0.86	17
18	1.34		1.06	0.63	0.81	1.36	1.47	1.65	1.48	0.91	0.90	1.02	18
19	1.34		1.02	0.66	0.84	1.38	1.49	1.65	1.51	0.90	0.92	1.13	19
20	1.34		1.00	0.67	0.88	1.40	1.51	1.66	1.54	0.91	0.89	1.20	20
21	1.34		0.98	0.69	0.91	1.40	1.53	1.66	1.56	0.93	0.87	1.24	21
22	1.34		0.97	0.70	0.96	1.40	1.54	1.67	1.57	0.76	0.66	1.24	22
23	1.34		0.94	0.72	1.02	1.40	1.51	1.66	1.58	0.58	0.38	1.09	23
24	1.34		0.90	0.76	1.07	1.40	1.53	1.63	1.59	0.51	0.35	0.93	24
25	1.33		0.81	0.81	1.11	1.42	1.55	1.63	1.60	0.52	0.37	0.58	25
26	1.31		0.79	0.83	1.09	1.44	1.57	1.63	1.60	0.57	0.32	0.60	26
27	1.29		0.83	0.89	1.08	1.43	1.57	1.63	1.61	0.62	0.29	0.73	27
28	1.28		0.86	0.60	1.09	1.44	1.58	1.63	1.61	0.71	0.29	0.81	28
29	1.27		0.86	0.63	1.08	1.41	1.59	1.63	1.62	0.79	0.31	0.86	29
30	1.27		0.78	0.64	1.04	1.33	1.60	1.63	1.62	0.79	0.34	0.88	30
31	1.27		0.66		1.04		1.61	1.64		0.79		0.90	31
-MONTHLY SUMMARY-													
MEAN				0.63	0.85	1.32	1.43	1.63		0.94	0.72	0.77	MEAN
INST				0.43	0.57	1.05	1.08	1.59		0.50	0.29	0.38	INST
MAX				(14)	(4)	(1)	(2)	(3)		(24)	(28)	(1)	MAX
INST				0.85	1.12	1.44	1.62	1.67		1.62	1.10	1.26	INST
MIN				(26)	(26)	(28)	(31)	(23)		(2)	(9)	(22)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 398  
TOWNSHIP OF MARKHAM

CONC. 5 LOT 14

WELL REC #: 6911700  
UTM CO-ORD: Z-17 E6J5300 N4858600  
LAT & LONG: 43-52NORTH 79-19W5T

REC METHOD: 1F1 TYPE RECORDER  
REC COMMENT: SEP 30 1973  
MEASURE PT: 0.8 METRES ABOVE GROUND SURFACE  
GND ELEV: 177 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN TOPSOIL 0.31 BROWN SAND 4.61 BLUE SANDY CLAY 14.31 BLUE CLAY, SAND AND GRAVEL 20.41 GREY SAND AND GRAVEL 22.2.

DIAMETER OF WELL: 13 CM  
LENGTH OF CASING: 21 METRES  
LENGTH OF SCREEN: 1.2 METRES  
DEPTH OF WELL: 22.2 METRES

PUMP RATE: N/A.  
SPEC. CAP: N/A.  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.29	5.50		5.42	5.51	5.60		5.51					1
2	5.31	5.51		5.36	5.53	5.60		5.47					2
3	5.41	5.52	5.40	5.31	5.50	5.61		5.49					3
4	5.45	5.55	5.16	5.37	5.45	5.62		5.50					4
5	5.50		4.92	5.36	5.48	5.62		5.51					5
6	5.53		5.01	5.30	5.52	5.63		5.51					6
7	5.56		5.13	5.37	5.52	5.61	5.57	5.50					7
8	5.57		5.11	5.39	5.54	5.60	5.58	5.50					8
9	5.59		5.10	5.41	5.57		5.56	5.51					9
10	5.61		5.08	5.45	5.61		5.52	5.49					10
11	5.63		5.18	5.43	5.63		5.48	5.49					11
12	5.62		5.30	5.40	5.64		5.49	5.50					12
13	5.60		5.32	5.42	5.61		5.47	5.50					13
14	5.58		4.95	5.19	5.61		5.49	5.50					14
15	5.61		5.20	5.22	5.60		5.49	5.52					15
16	5.61		5.32	5.31	5.54		5.35	5.52					16
17	5.61		5.36	5.37	5.59		5.39	5.51					17
18	5.65		5.28	5.43	5.62		5.43	5.48					18
19	5.62		5.25	5.46	5.64		5.45	5.48					19
20	5.59		5.29	5.49	5.67		5.47	5.49					20
21	5.57		5.31	5.51	5.68		5.49	5.50					21
22	5.62		5.33	5.53	5.72		5.51	5.51					22
23	5.63		5.34	5.57	5.72		5.54	5.50					23
24	5.52		5.34	5.58	5.73		5.58						24
25	5.39		5.25	5.59	5.72		5.56						25
26	5.38		5.35	5.59	5.65		5.52						26
27	5.37		5.46	5.42	5.66		5.54						27
28	5.39		5.50	5.42	5.68		5.53						28
29	5.42		5.50	5.46	5.63		5.52						29
30	5.44		5.45	5.49	5.58		5.53						30
31	5.46		5.38		5.59		5.51						31

—MONTHLY SUMMARY—

MEAN	5.52			5.42	5.60								MEAN
INST	5.23			5.13	5.43								INST
MAX	( 1 )			(14)	( 4 )								MAX
INST	5.66			5.60	5.74								INST
MIN	(18)			(25)	(25)								MIN

ENVIRONMENT ONTARIO  
TORONTO  
METROPOLITAN TORONTO

OBSERVATION WELL 090  
BOROUGH OF NORTH YORK

CONC. - LOT -

WELL REC #: 6905098  
UTM CO-ORD: Z-17 E626320 N4845890  
LAT & LONG: 43-46NORTH 79-26WEST

REC METHOD: A35 RECORDER  
REC COMMENT: APR 7 1961  
MEASURE PT: 0.3 METRES ABOVE GROUND SURFACE  
GND ELEV: 145 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: SOIL AND SAND 0.91 SAND AND GRAVEL 41 SAND, GRAVEL AND SOME CLAY 12.21 PACKED SAND, CLAY 17.11 SAND, GRAVEL AND CLAY 181 CONGLOMERATE, SOME CLAY 221 CEMENTED GRAVEL 22.91 CEMENTED GRAVEL CLAY, 25.31 SAND, GRAVEL AND CLAY 1271 GRAVEL AND SOME CLAY 1321 SAND AND GRAVEL 150.

DIAMETER OF WELL: 41 CM  
LENGTH OF CASING: 40 METRES  
LENGTH OF SCREEN: 4.6 METRES  
DEPTH OF WELL: 44.6 METRES

PUMP RATE: 82.5 L/S  
SPEC. CAP: 0.45 L/S/M  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

E - ESTIMATE

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	1.08 E	1.01 E		1.05	0.98	0.96	0.89	1.12	1.09	1.10	1.10	1.06	1
2	1.05 E	1.07 F		0.94	1.02	0.95	0.92	1.16	1.07	1.08	1.10	1.11	2
3	1.07 E	1.14 E	1.12	1.02	0.91	0.92	0.99	1.11	1.07	1.07	1.10	1.10	3
4	1.15 E	1.11 E	1.03	1.01	0.92	0.88	0.99	1.09	1.10	1.08	1.13	1.05	4
5	1.21 E	1.06 E	1.03	0.88	0.95	0.87	1.04	1.09	1.10	1.05	1.14	1.09	5
6	1.19 E	1.13 E	1.01	0.87	0.94	0.92	1.10	1.07	1.05	1.05	1.10	1.08	6
7	1.14 E	1.14 E	1.00	1.03	0.95	0.93	1.09	1.09	1.08	1.04	1.10	1.09	7
8	1.08 E	1.04 E	1.00	1.00	0.92	0.95	1.11	1.10	1.12	1.09	1.07	1.06	8
9	1.09 E	1.11 E	1.02	0.87	0.91	0.97	1.15	1.05	1.13	1.08	1.06	1.09	9
10	1.13 E	1.17 E	0.97	0.97	0.92	0.89	1.19	1.14	1.10	1.10	1.05	1.08	10
11	1.20 E	1.19 E	0.96	1.08	0.91	0.89	1.19	1.09	1.13	1.08	1.11	1.05	11
12	1.22 F	1.24 F	1.02	1.04	0.91	0.96	1.18	1.05	1.13	1.04	1.13	1.07	12
13	1.15 E	1.23 E	1.00	0.97	0.92	1.01	1.19	1.06	1.10	1.07	1.10	1.11	13
14	0.95 E	1.22 E	0.89	0.88	0.94	1.02	1.20	1.10	1.06	1.12	1.10	1.11	14
15	1.04 E	1.21 E	1.08	0.87	0.95	0.98	1.19	1.04	1.11	1.11	1.07	1.11	15
16	1.16 E	1.20 E	1.12	0.92	1.01	0.95	1.14	0.98	1.13	1.13	1.09	1.07	16
17	1.18 E	1.23 E	1.13	0.98	1.05	0.91	1.10	1.00	1.13	1.13	1.06	1.12	17
18	1.06 E	1.30 E	1.11	1.02	1.00	0.96	1.10	1.07	1.10	1.15	1.07	1.11	18
19	1.22 E	1.30 E	1.10	1.04	0.94	1.04	1.10	1.06	1.12	1.11	1.09	1.10	19
20	1.12 E	1.31 E	1.06	1.03	0.90	1.04	1.10	1.02	1.12	1.09	1.10	1.15	20
21	0.96 E	1.31 E	1.05	1.01	0.90	0.96	1.11	1.02	1.10	1.09	1.12	1.14	21
22	0.86 E		1.04	1.02	0.98	0.91	1.12	1.02	1.13	1.09	1.08	1.10	22
23	1.03 F		0.93	1.04	0.94	0.95	1.10	1.05	1.16	1.05	1.06	1.08	23
24	1.05 E		0.82	1.01	0.90	1.00	1.11	1.05	1.15	1.08	1.08	1.06	24
25	0.89 F		0.84	0.94	0.85	1.06	1.15	1.07	1.14	1.08	1.09	1.02	25
26	0.96 E		0.93	0.87	0.81	1.06	1.18	1.09	1.14	1.12	1.00	1.07	26
27	1.01 E		1.06	0.84	0.84	1.00	1.13	1.07	1.14	1.12	1.04	1.10	27
28	0.97 E		1.09	0.91	0.88	1.00	1.15	1.07	1.12	1.06	1.01	1.11	28
29	0.94 E		1.00	0.96	0.90	0.97	1.12	1.05	1.12	1.10	1.02	1.09	29
30	1.01 E		1.01	0.95	0.94	0.91	1.11	1.07	1.11	1.15	1.07	1.07	30
31	1.05 E		0.99		0.97		1.15	1.10		1.14		1.08	31

—MONTHLY SUMMARY—

MEAN	1.07			0.97	0.93	0.96	1.11	1.07	1.11	1.09	1.08	1.08	MEAN
INST	0.83			0.81	0.80	0.82	0.89	0.97	1.04	1.03	0.99	0.97	INST
MAX	(22)			( 6 )	(26)	(10)	( 1 )	(16)	( 6 )	( 7 )	(26)	( 5 )	MAX
INST	1.24			1.09	1.07	1.08	1.21	1.19	1.17	1.15	1.15	1.16	INST
MIN	(19)			(11)	(17)	(26)	(10)	( 2 )	(23)	(18)	( 5 )	(20)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
REGIONAL MUNICIPALITY OF YORK

OBSERVATION WELL 340  
TOWNSHIP OF WHITCHURCH

CONC. 6 LOT 27

WELL REC #1 6910965  
UTM CO-ORD: Z-17 E632050 N4878700  
LAT & LONG: 44-04NORTH 79-21WEST

DFC METHOD: 1F1 TYPE RECORDER  
REC COMMCD: MAY 26 1971  
MEASURE PT: 0.6 METRES ABOVE GROUND SURFACE  
GND ELV: 206 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: TOPSOIL 1.41 SAND 8.8.

DIAMETER OF WELL: 122 CM  
LENGTH OF CASING: 8.8 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 8.8 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SAND  
QUALITY: FRESH

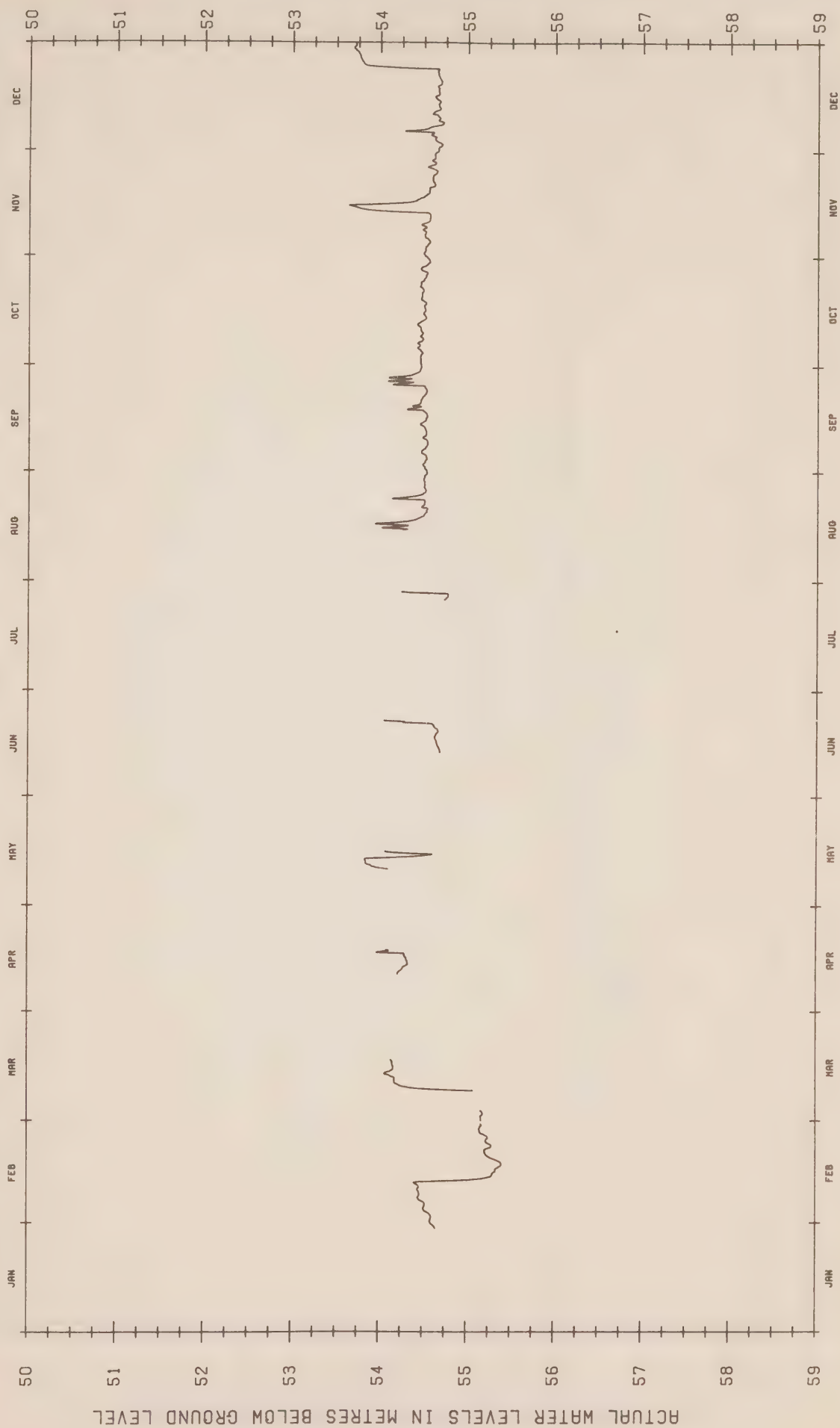
1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		6.22	6.02			5.03	5.72	6.24	6.32	6.33	5.92	5.00	1
2		6.25	6.07			5.04	5.73	6.25	6.31	6.33	5.90	5.00	2
3		6.28	5.89			5.06	5.76	6.26	6.31	6.33	5.89	5.01	3
4	5.39	6.29	2.06	4.90		5.08	5.78	6.27	6.31	6.34	5.88	5.00	4
5	5.50			4.83	4.49	5.12	5.81	6.28	6.32	6.34	5.87	4.99	5
6	5.57			4.80	4.51	5.18	5.84	6.29	6.32	6.33	5.88	5.01	6
7	5.61	6.05			4.52	5.23	5.86	6.30	6.32	6.32	5.87	5.05	7
8	5.63	6.05		4.83	4.53	5.25	5.89	6.31	6.32	6.31		5.09	8
9	5.64	6.07			4.58	5.26	5.90	6.32	6.33	6.30		5.11	9
10	5.64	6.08			4.55	5.24	5.92	6.32	6.34	6.29	5.83	5.10	10
11	5.64	6.09			4.25	5.21	5.93	6.33	6.35	6.27	5.84	5.08	11
12	5.64	6.11			4.28	5.21	5.94	6.33	6.35	6.25	5.84	5.08	12
13	5.64	6.13			4.31	5.21	5.96	6.33	6.36	6.22	5.83	5.10	13
14	5.64	6.15			4.27	5.22	5.97	6.33	6.35	6.20	5.82	5.09	14
15	5.65	6.16			4.27	5.23	5.98	6.33	6.35	6.17	5.81	5.09	15
16	5.66	6.18			4.22	5.25	6.00	6.33	6.34	6.15	5.80	5.08	16
17	5.66	6.19			4.19	5.28	6.02	6.34	6.34	6.12	5.79	5.12	17
18	5.67	6.20			4.22	5.33	6.03	6.35	6.32	6.10	5.79	5.15	18
19	5.67	6.21			4.30	5.39	6.05	6.36	6.31	6.08	5.79	5.18	19
20	5.68	6.21			4.41	5.43	6.06	6.36	6.30	6.05	5.80	5.23	20
21	5.68	6.21			4.52	5.46	6.08	6.36	6.29	6.02	5.80	5.27	21
22	5.69	6.22			4.64	5.48	6.09	6.37	6.29	5.99	5.79	5.29	22
23	5.69	6.17			4.72	5.51	6.11	6.38	6.29	5.98	5.78	5.30	23
24	5.55	5.45			4.79	5.55	6.12	6.38	6.30	5.96	5.76	5.25	24
25	5.43	5.68			4.85	5.59	6.14	6.39	6.30	5.94	5.72	4.92	25
26	5.78	5.83			4.90	5.62	6.15	6.39	6.30	5.94	5.62		26
27	5.96	5.91			4.93	5.65	6.16	6.38	6.31	5.94	5.48		27
28	6.04	5.98			4.96	5.67	6.18	6.37	6.32	5.94	5.32		28
29	6.11				5.00	5.69	6.20	6.35	6.32	5.92	5.16	4.08	29
30	6.16				5.03	5.70	6.21	6.34	6.32	5.91	5.05	4.13	30
31	6.20				5.04		6.23	6.33		5.91		4.19	31
-MONTHLY SUMMARY-													
MEAN					5.34	5.99	6.33	6.32	6.32	6.14			MEAN
INST					5.03	5.71	6.23	6.29	5.91				INST
MAX					( 1 )	( 1 )	( 1 )	(21)	(30)				MAX
INST					5.71	6.23	6.39	6.36	6.34				INST
MIN					(30)	(31)	(26)	(14)	( 4 )				MIN

OBSERVATION WELL 526  
TOWNSHIP OF CLARKE

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL 509  
TOWNSHIP OF DARLINGTON

1979

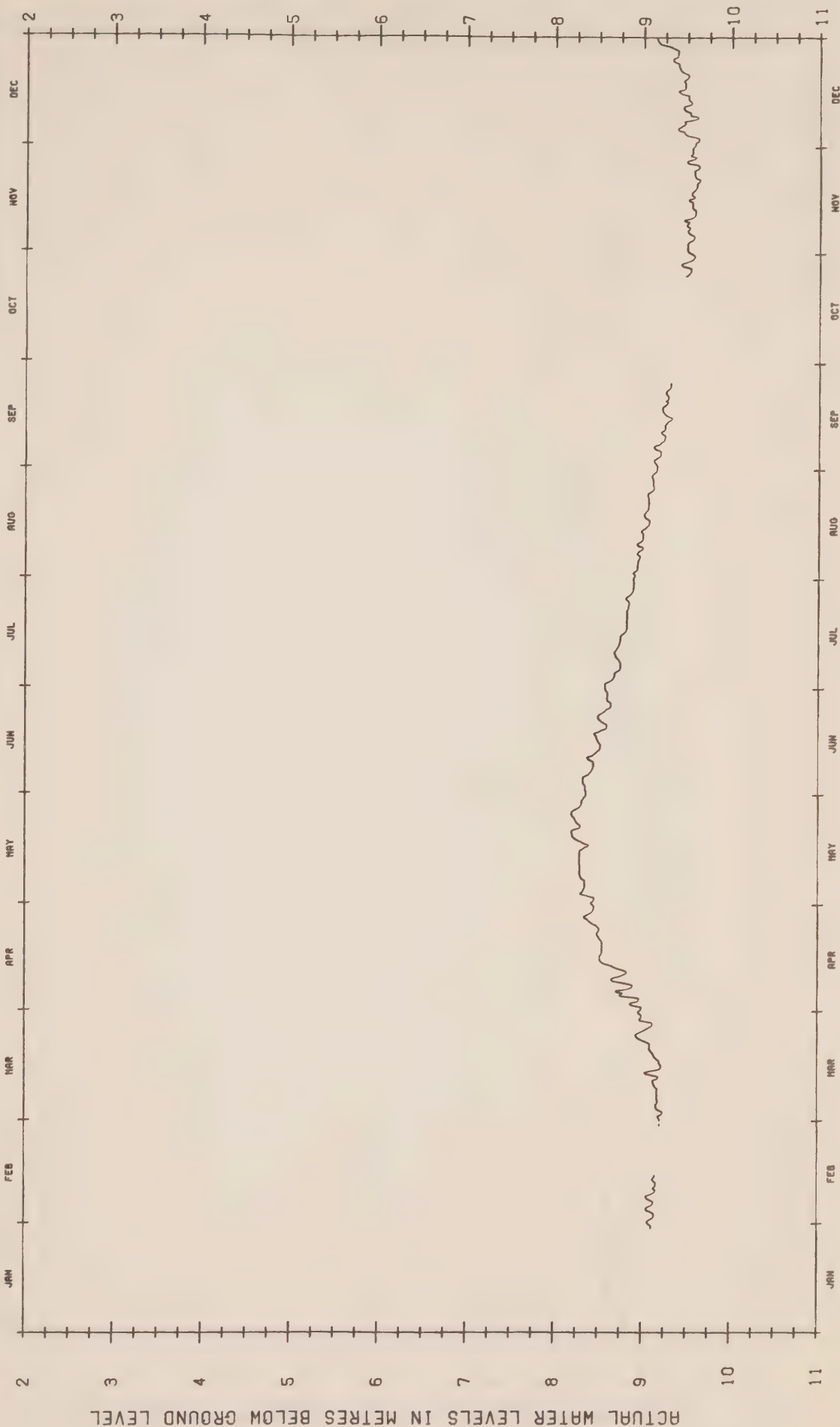
ENVIRONMENT ONTARIO



ENVIRONMENT ONTARIO

1979

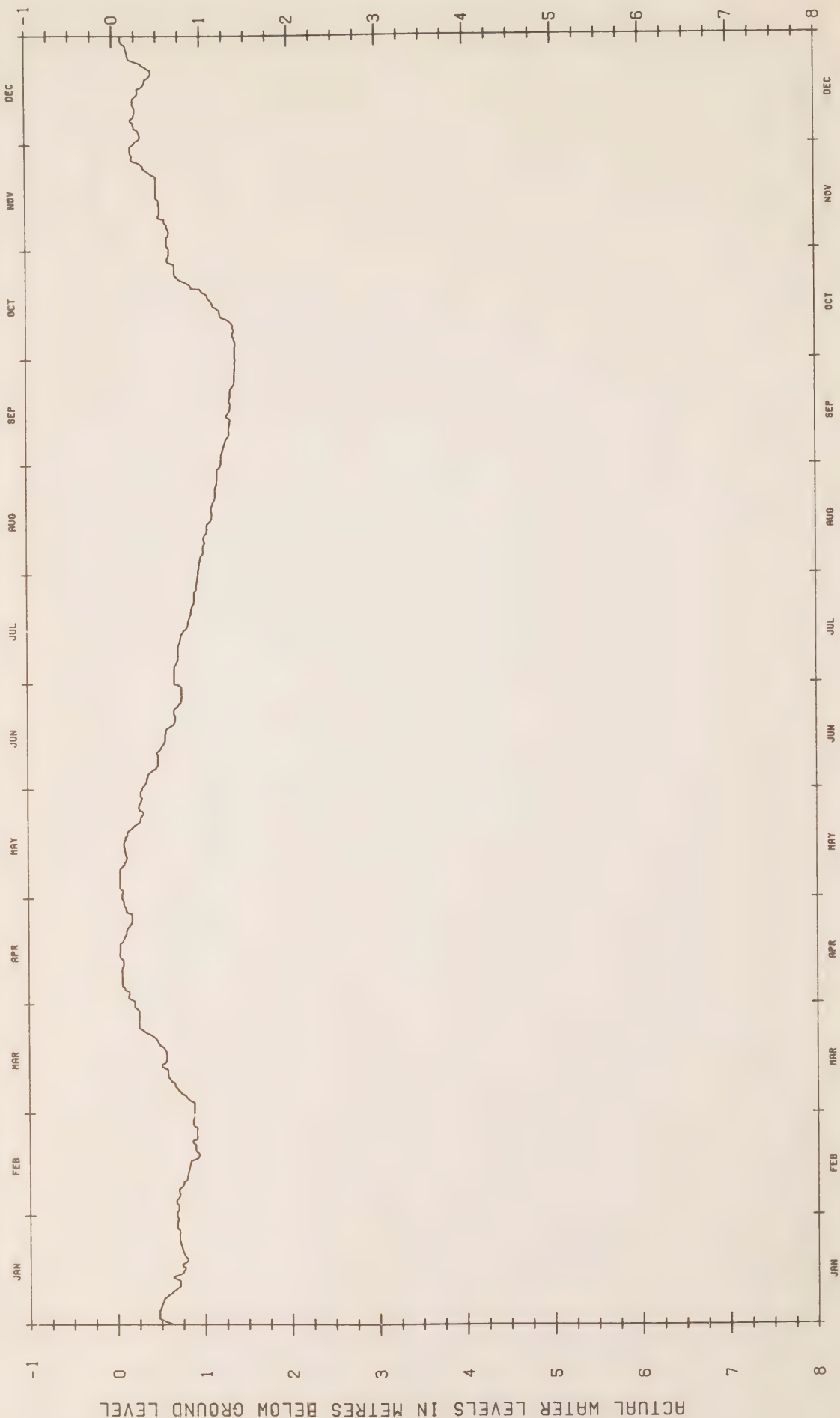
OBSERVATION WELL 405  
TOWNSHIP OF PICKERING



OBSERVATION WELL 406  
TOWN OF PICKERING

1979

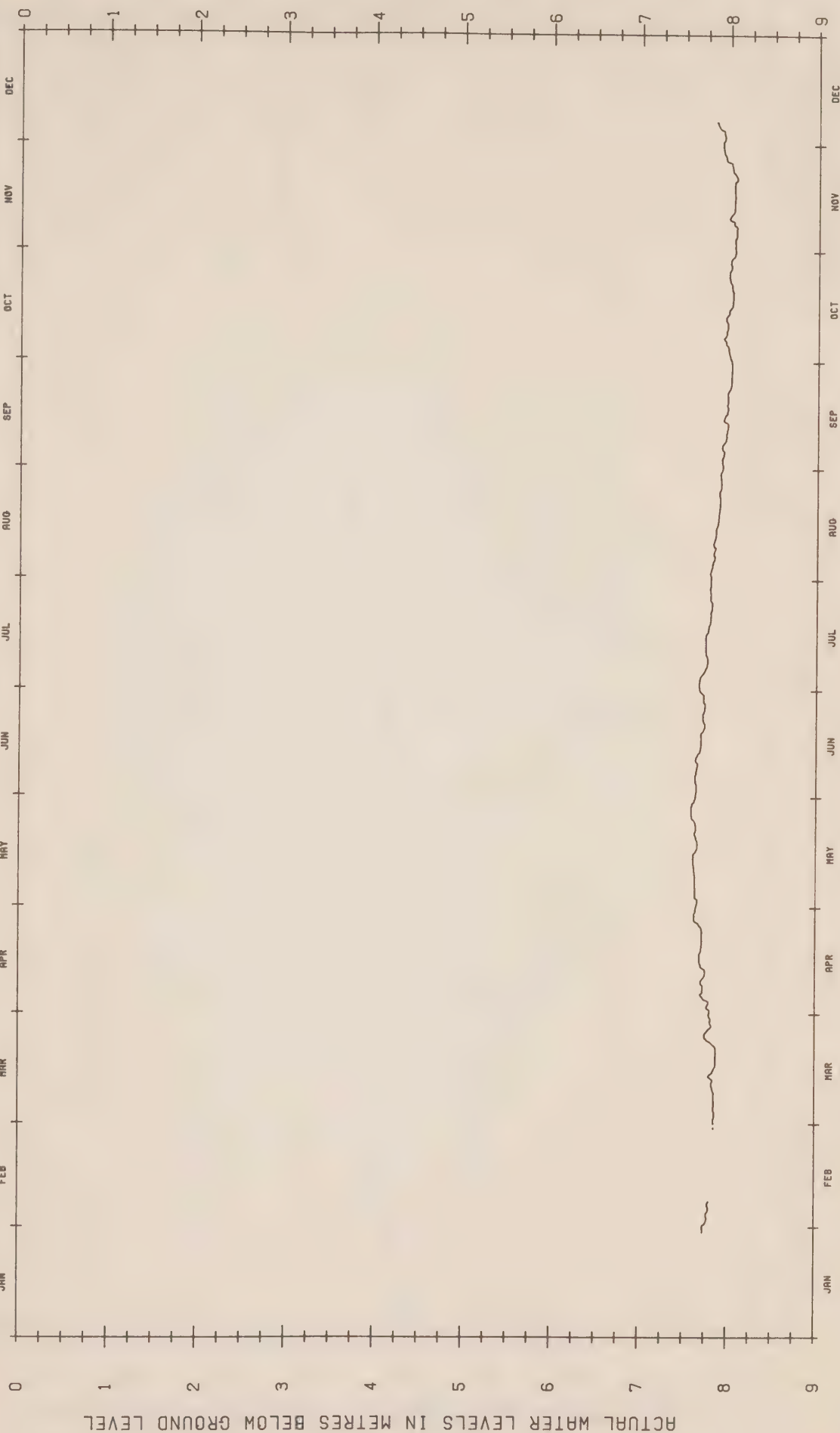
ENVIRONMENT ONTARIO



OBSERVATION WELL 512  
TOWNSHIP OF PICKERING

1979

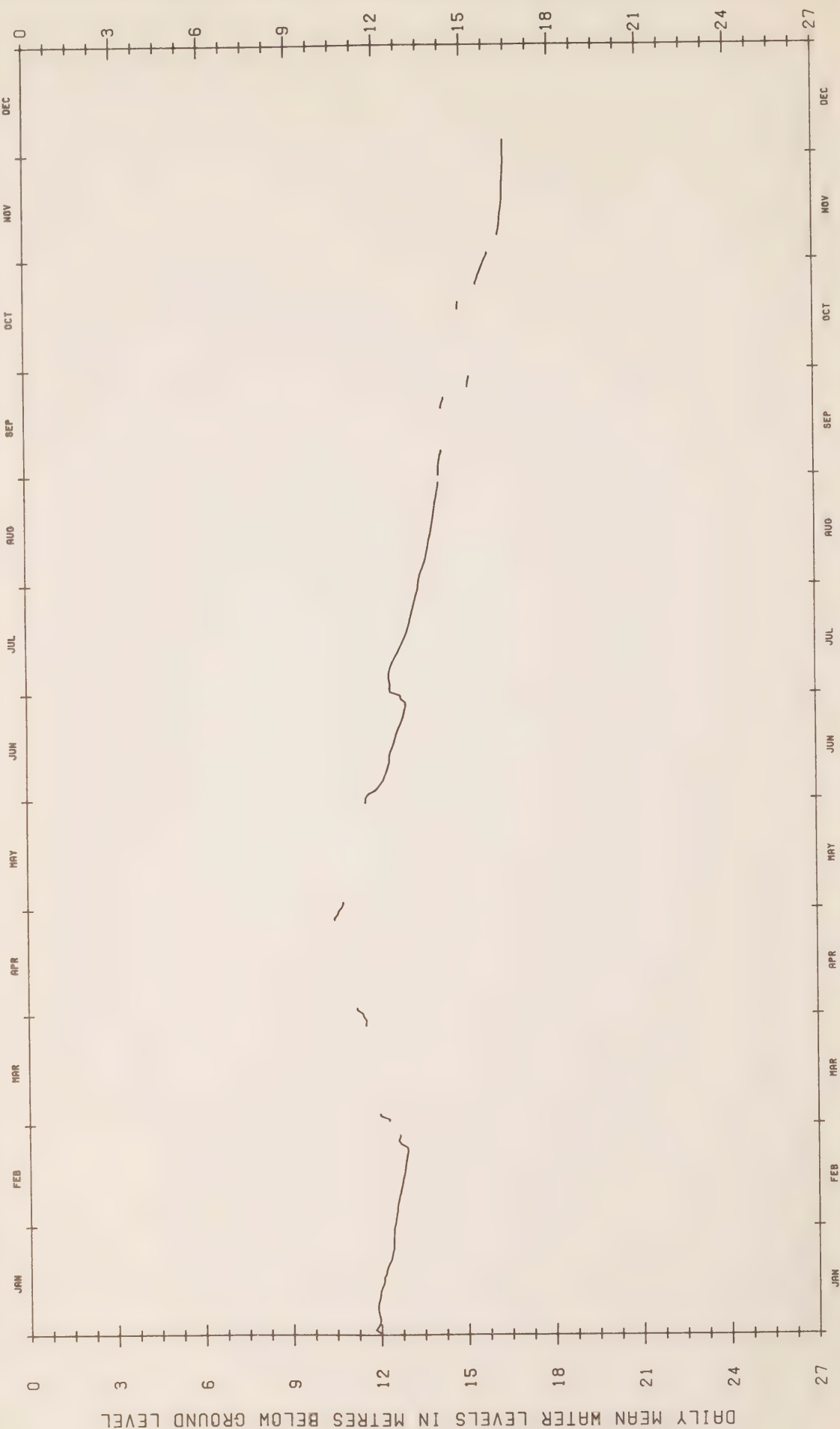
ENVIRONMENT ONTARIO



OBSERVATION WELL 531  
CITY OF BURLINGTON

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL 437  
TOWNSHIP OF ESQUESING

1979

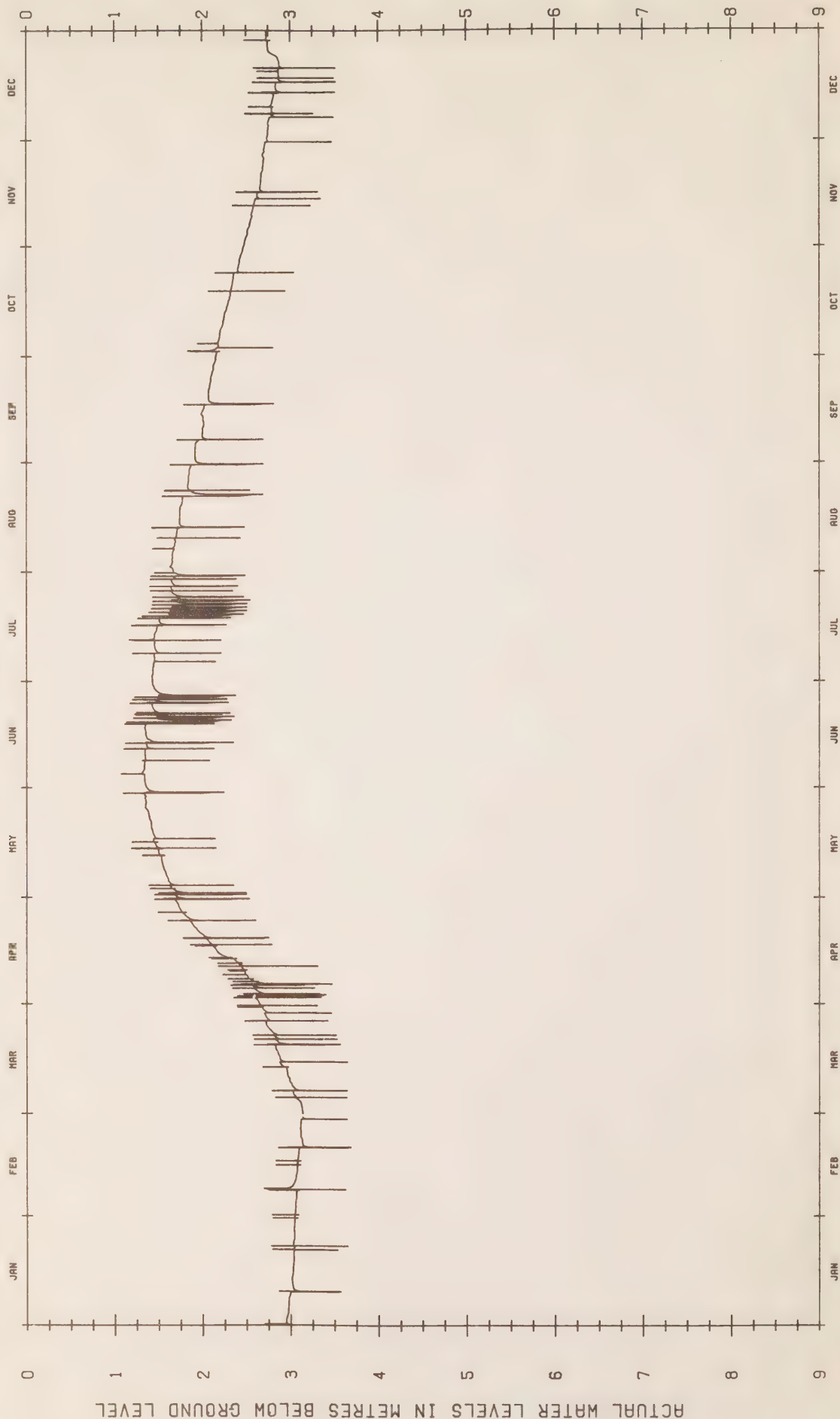
ENVIRONMENT ONTARIO



OBSERVATION WELL 377  
TOWN OF GEORGETOWN

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL 374  
TOWNSHIP OF TRAFALGAR

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL 530  
TOWNSHIP OF HOPE

1979

ENVIRONMENT ONTARIO



# OBSERVATION WELL 253 TOWNSHIP OF ALBION

1979

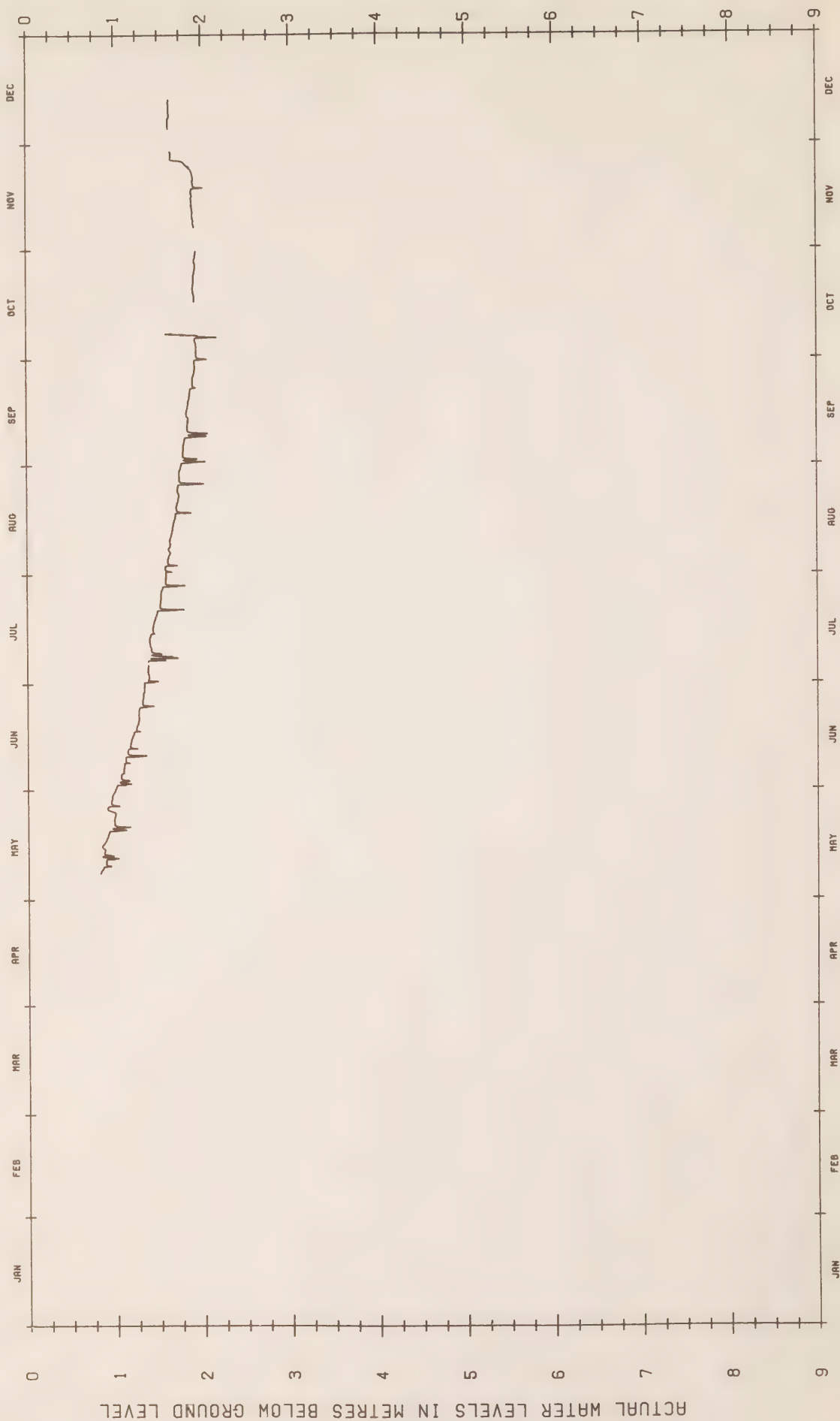
ENVIRONMENT ONTARIO



OBSERVATION WELL 214  
TOWNSHIP OF CALEDON

1979

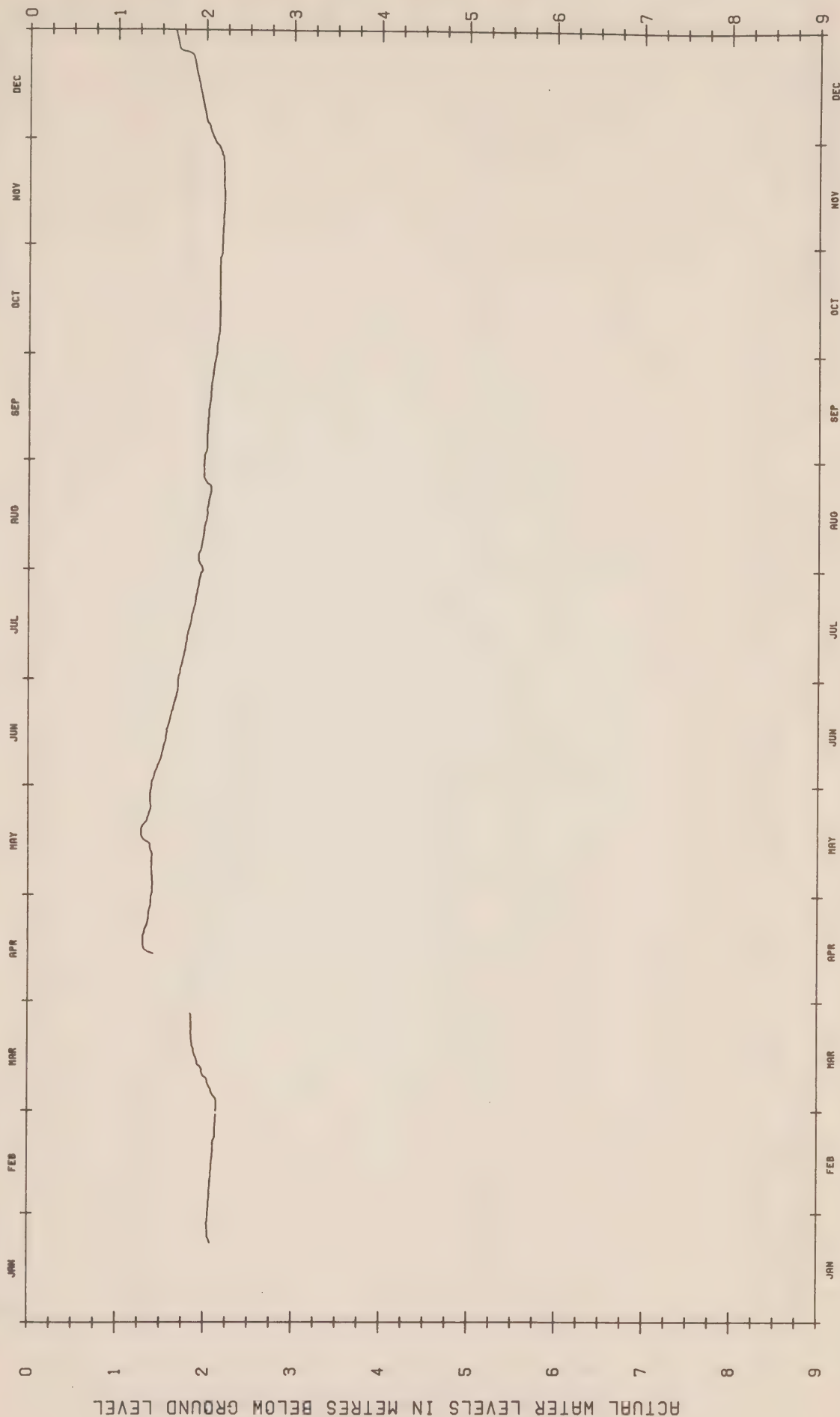
ENVIRONMENT ONTARIO



OBSERVATION WELL 167  
TOWNSHIP OF CHINGUACOUSY

1979

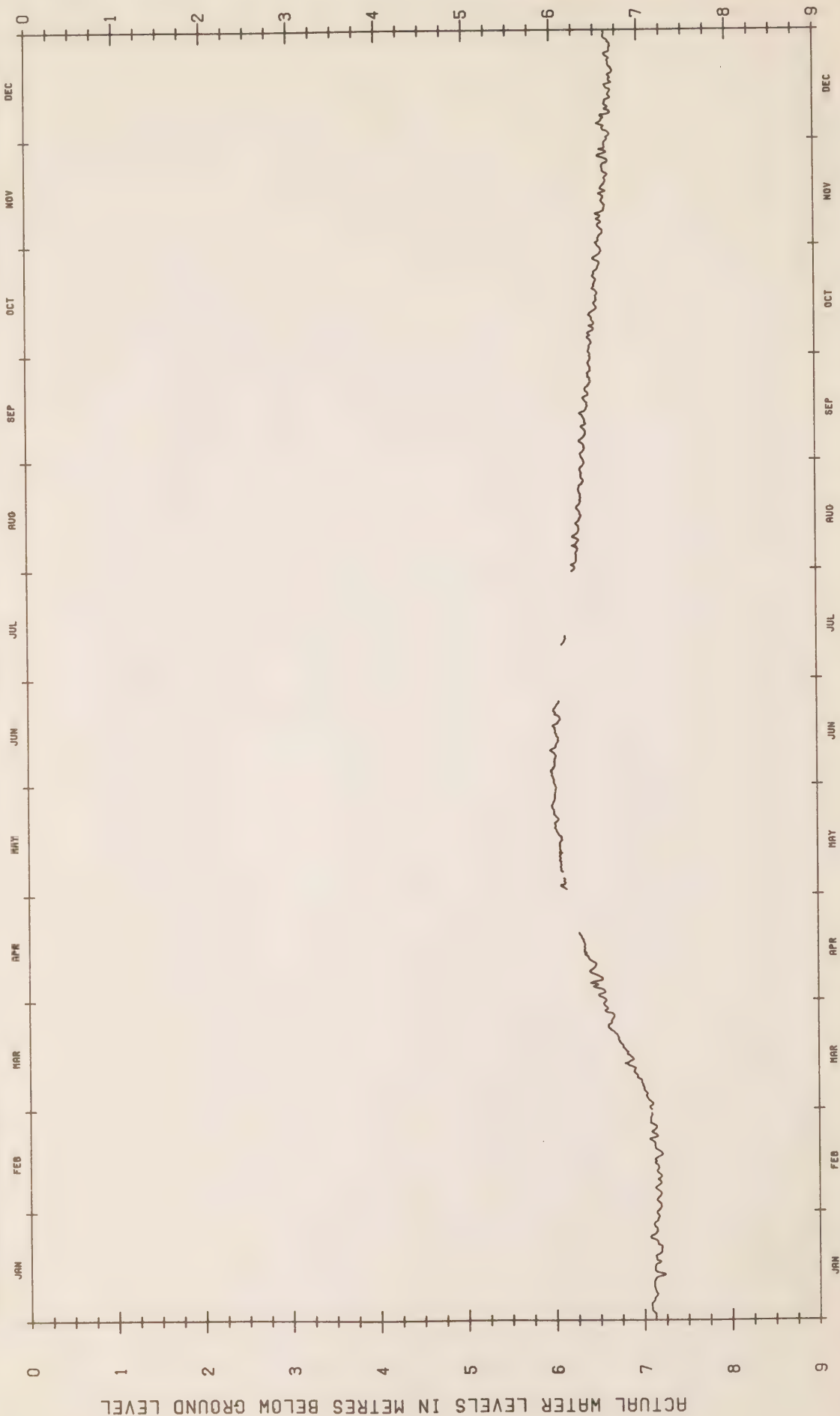
ENVIRONMENT ONTARIO



OBSERVATION WELL 168  
TOWNSHIP OF CHINGUACOUSY

1979

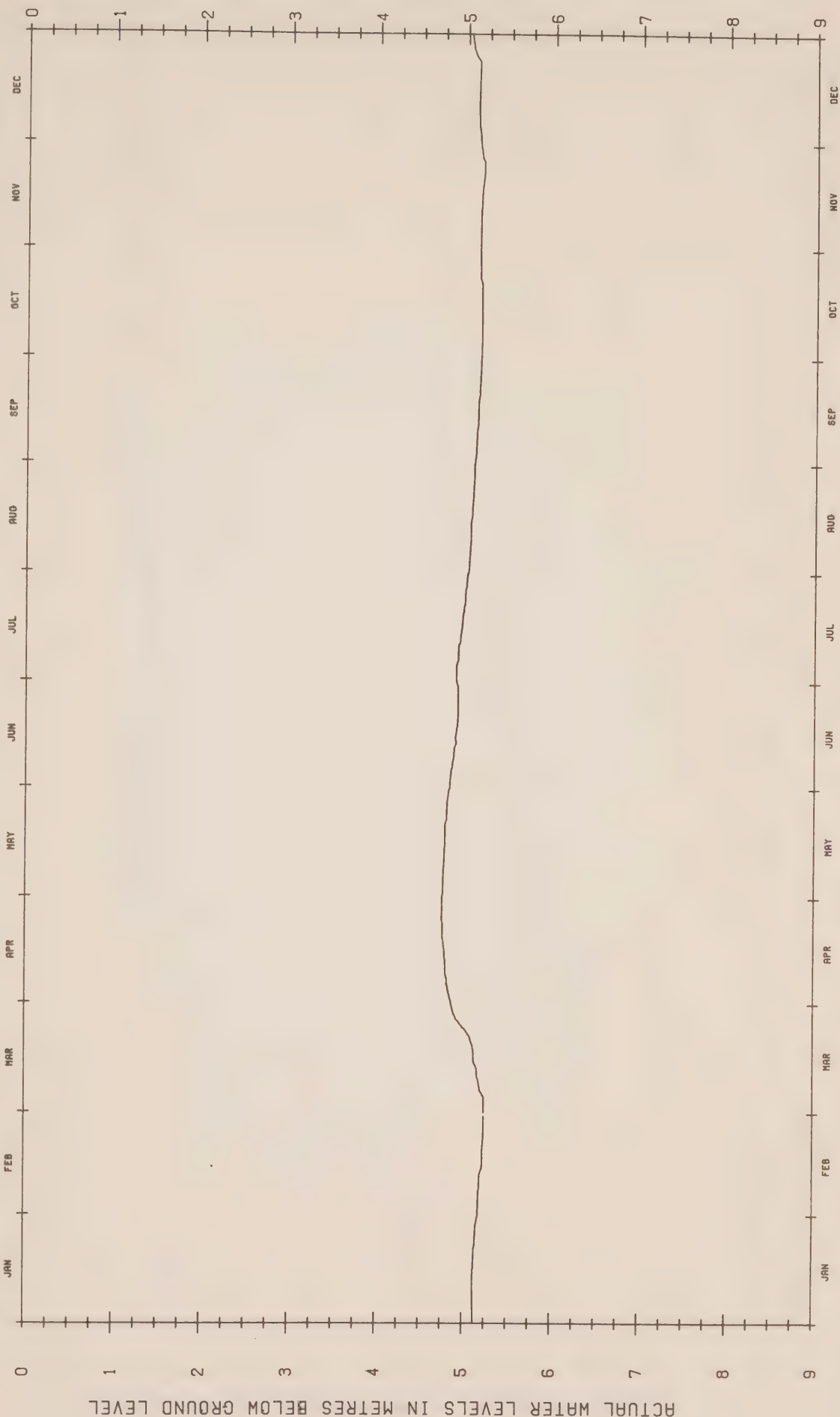
ENVIRONMENT ONTARIO



OBSERVATION WELL 529  
TOWNSHIP OF INNISFIL

1979

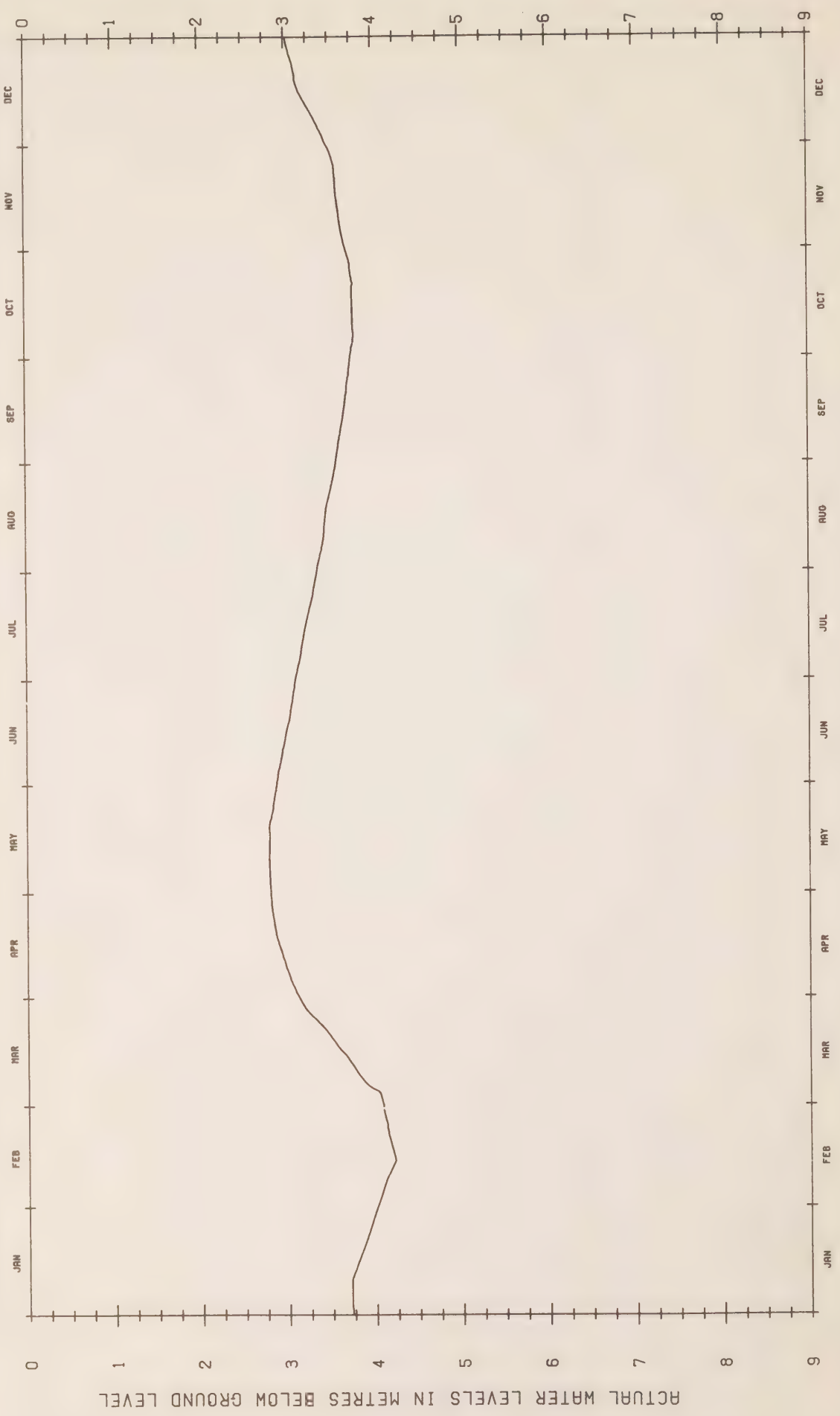
ENVIRONMENT ONTARIO



OBSERVATION WELL 007  
TOWNSHIP OF ESSA

1979

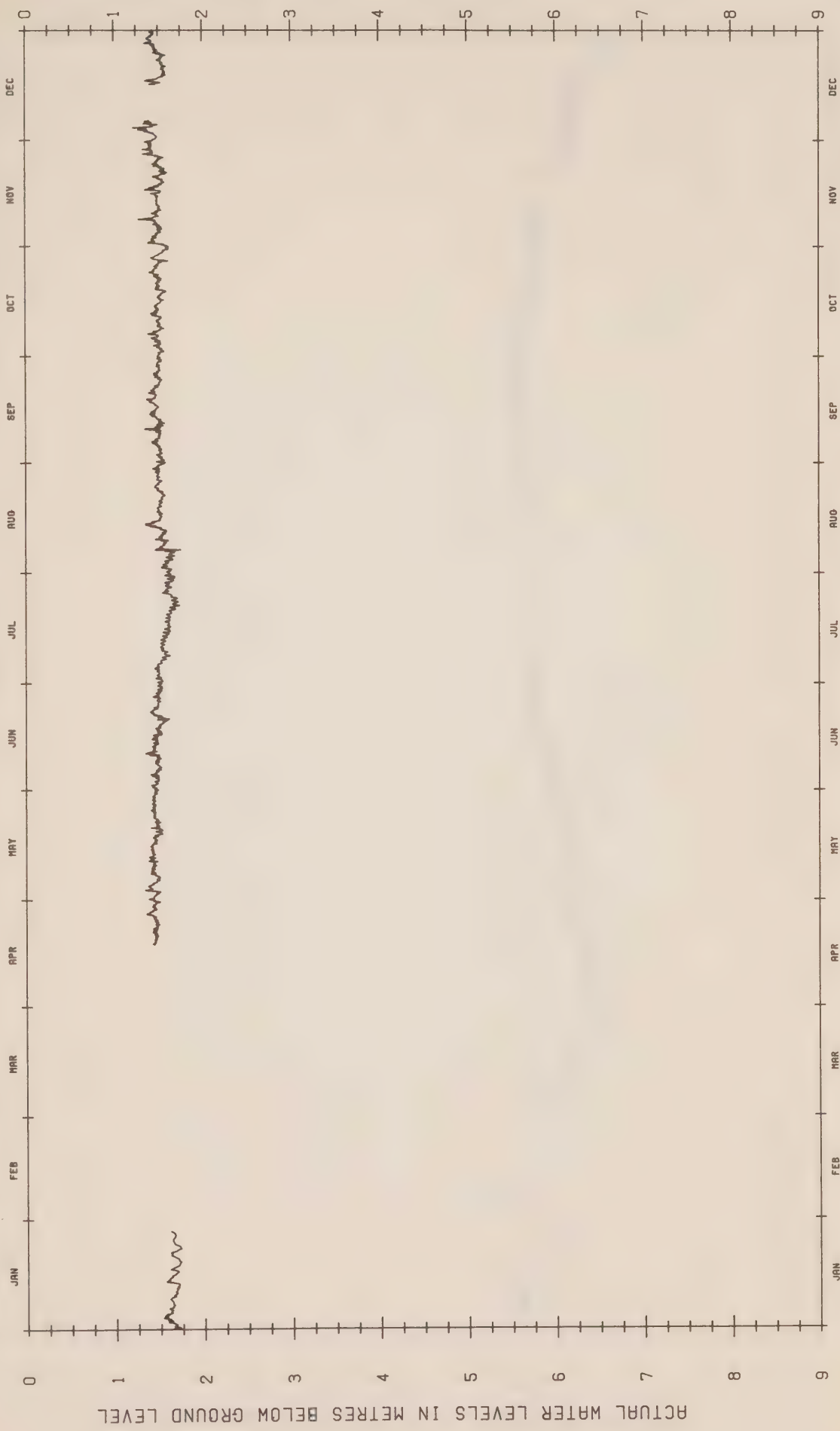
ENVIRONMENT ONTARIO



OBSERVATION WELL 373  
VILLAGE OF WASAGA BEACH

1979

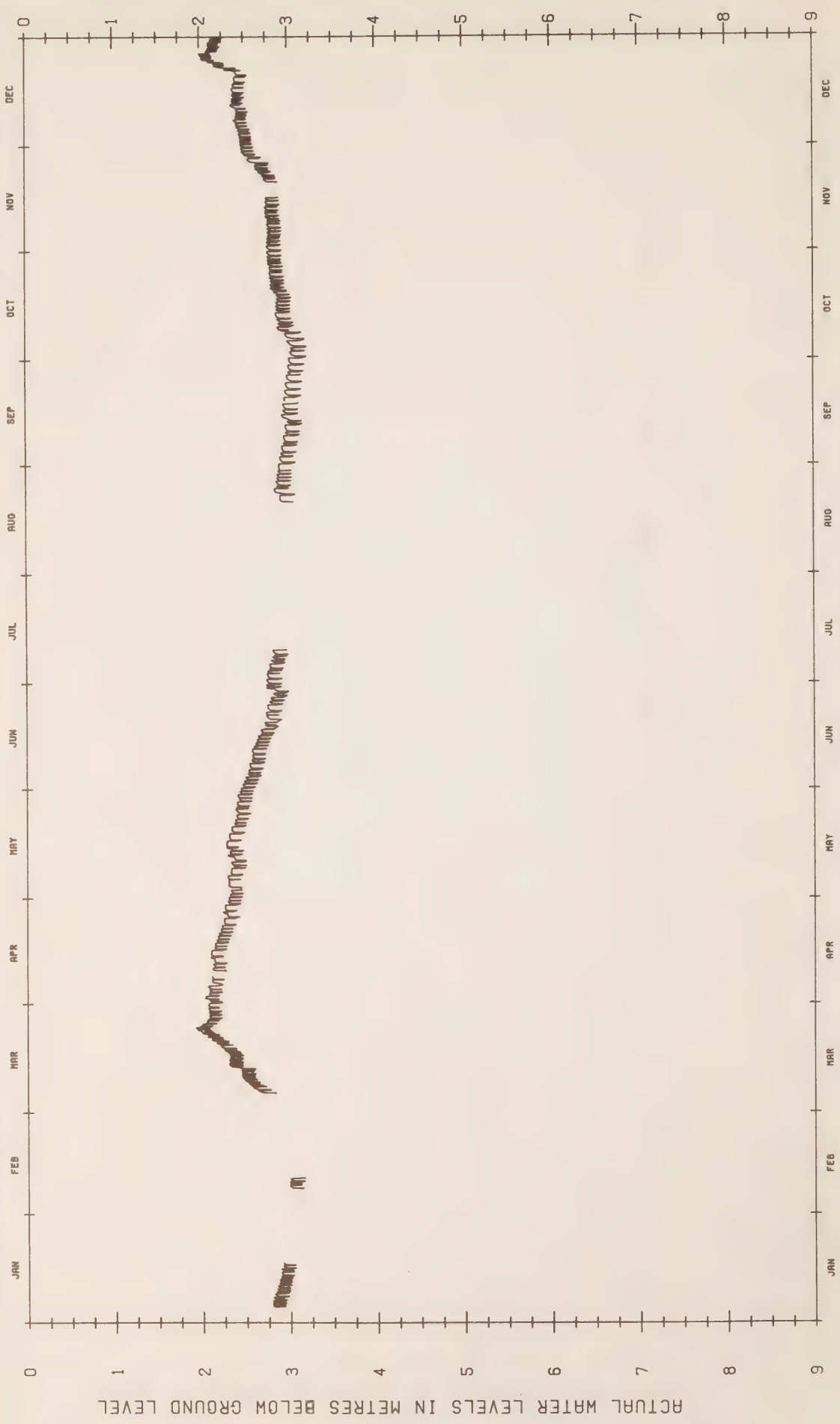
ENVIRONMENT ONTARIO



OBSERVATION WELL 375  
TOWNSHIP OF MARIPOSA

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL 528  
TOWNSHIP OF E. GWILLIMBURY

1979

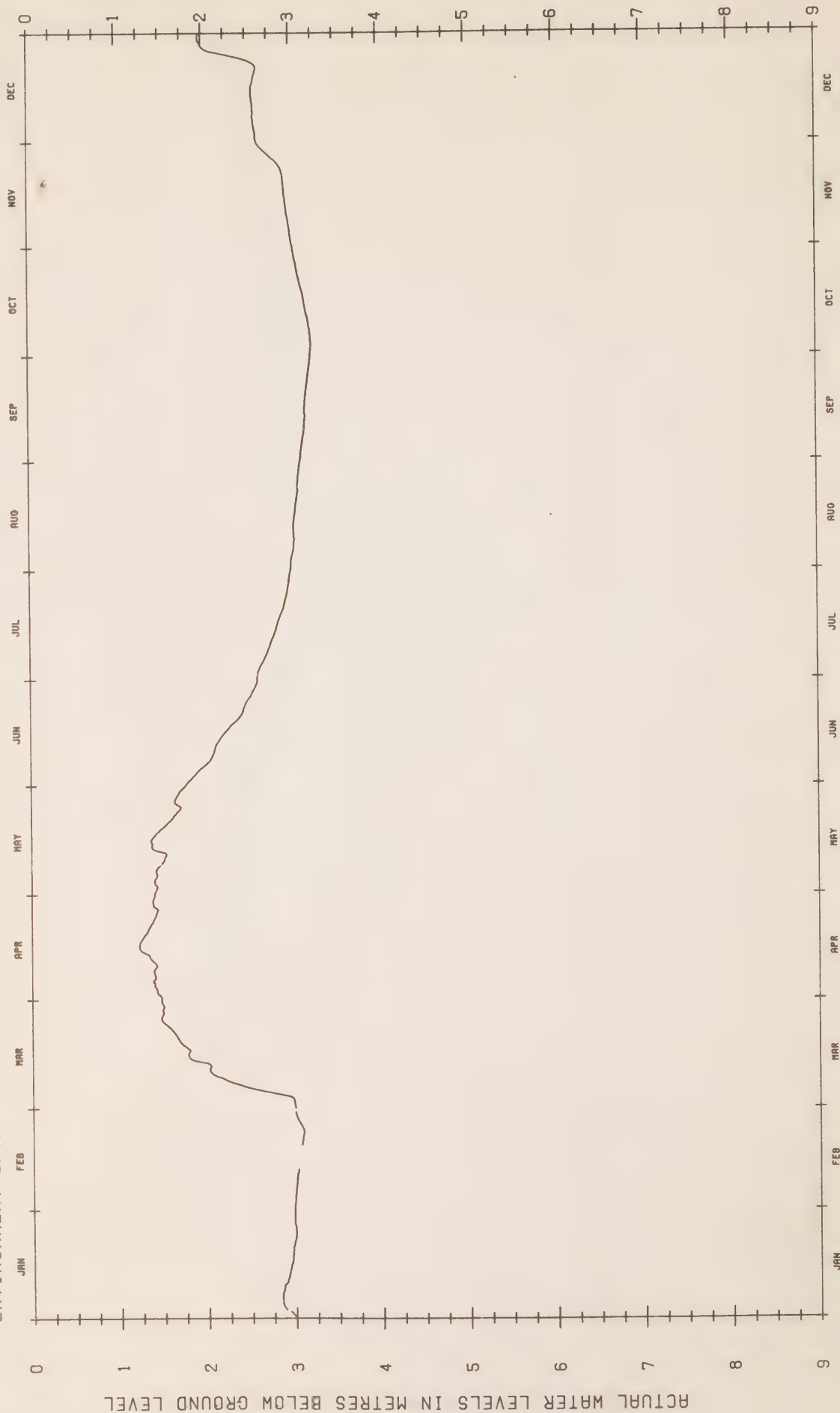
ENVIRONMENT ONTARIO



OBSERVATION WELL 527  
TOWNSHIP OF GEORGINA

1979

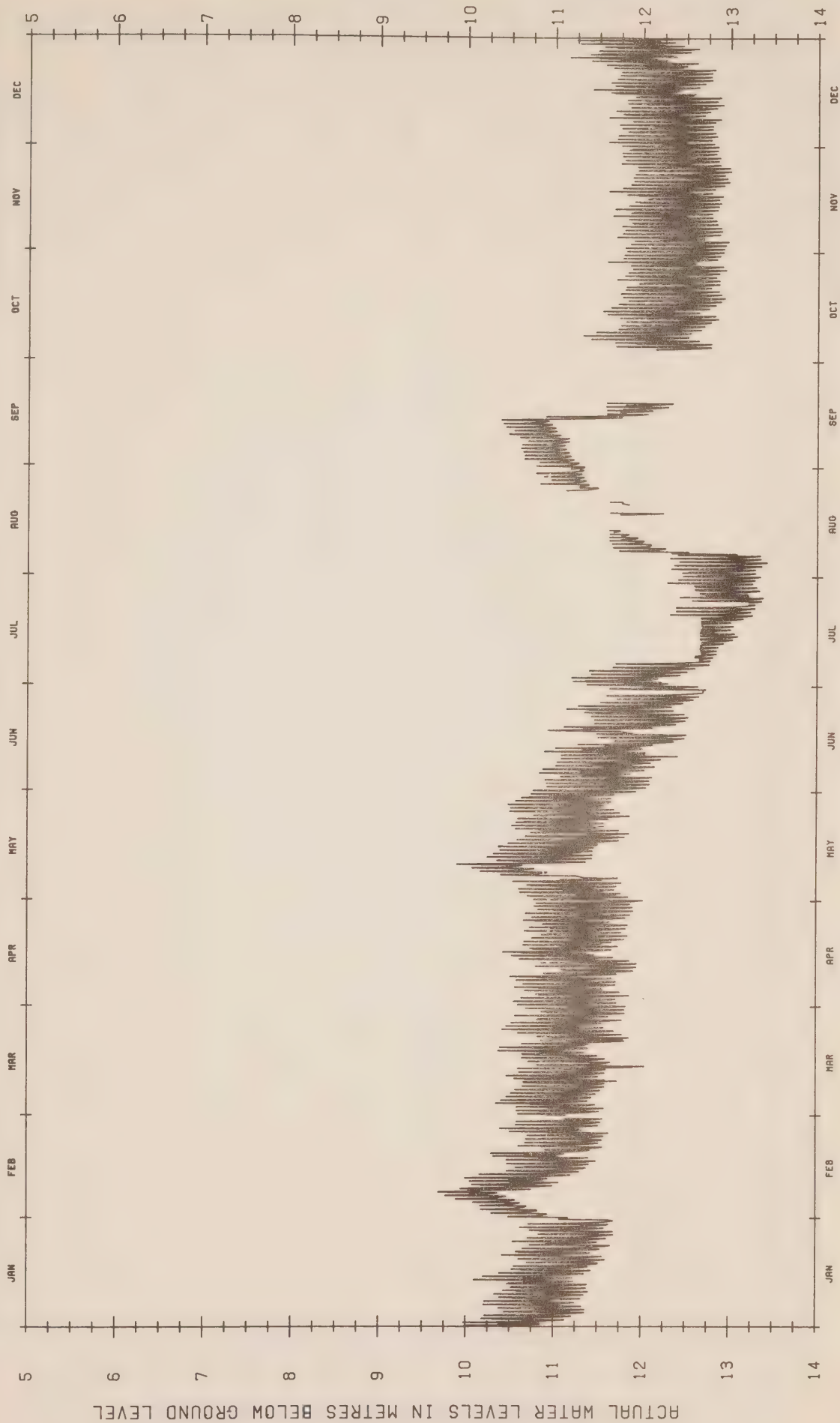
ENVIRONMENT ONTARIO



OBSERVATION WELL 342  
TOWNSHIP OF KING

1979

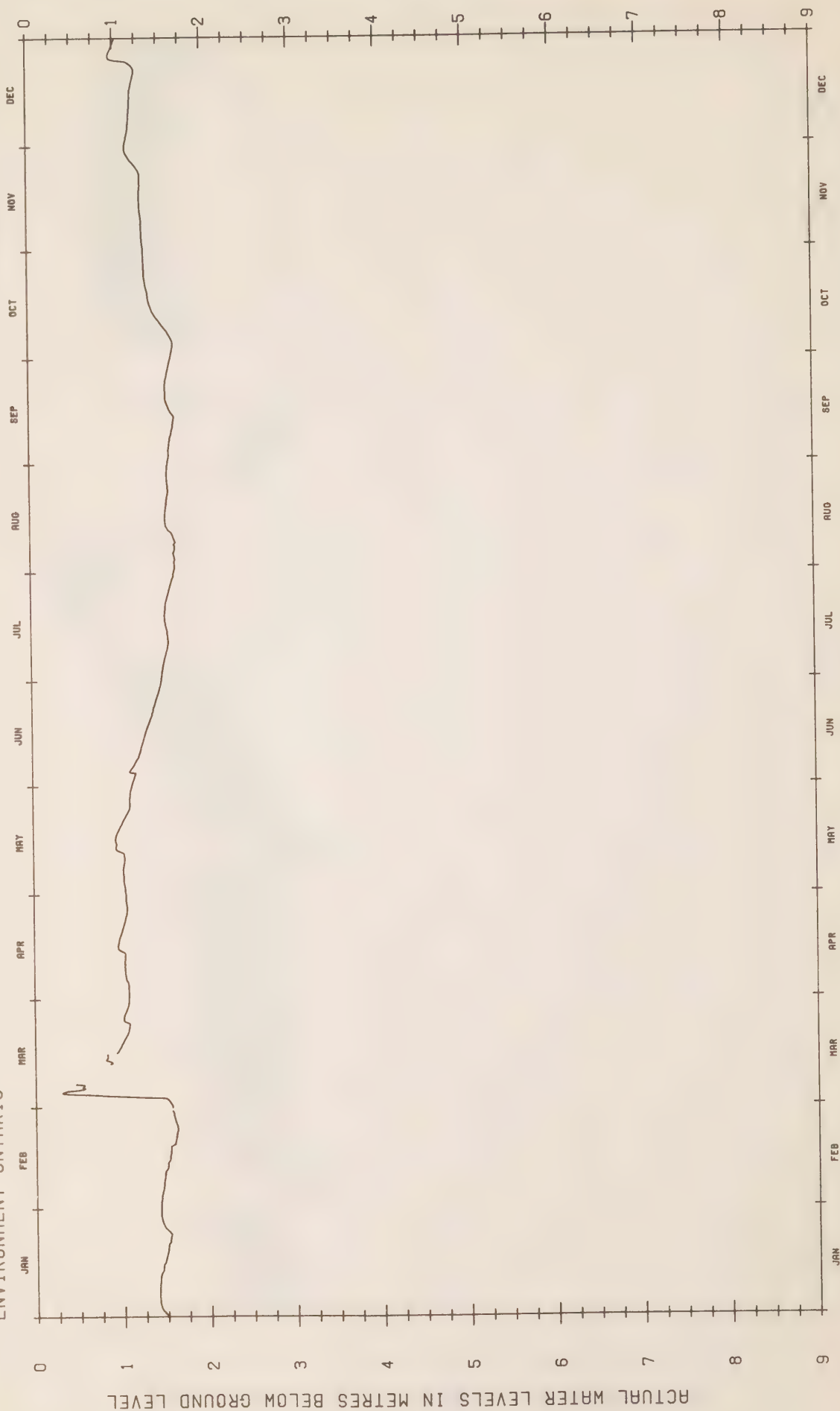
ENVIRONMENT ONTARIO



OBSERVATION WELL 343  
TOWNSHIP OF KING

1979

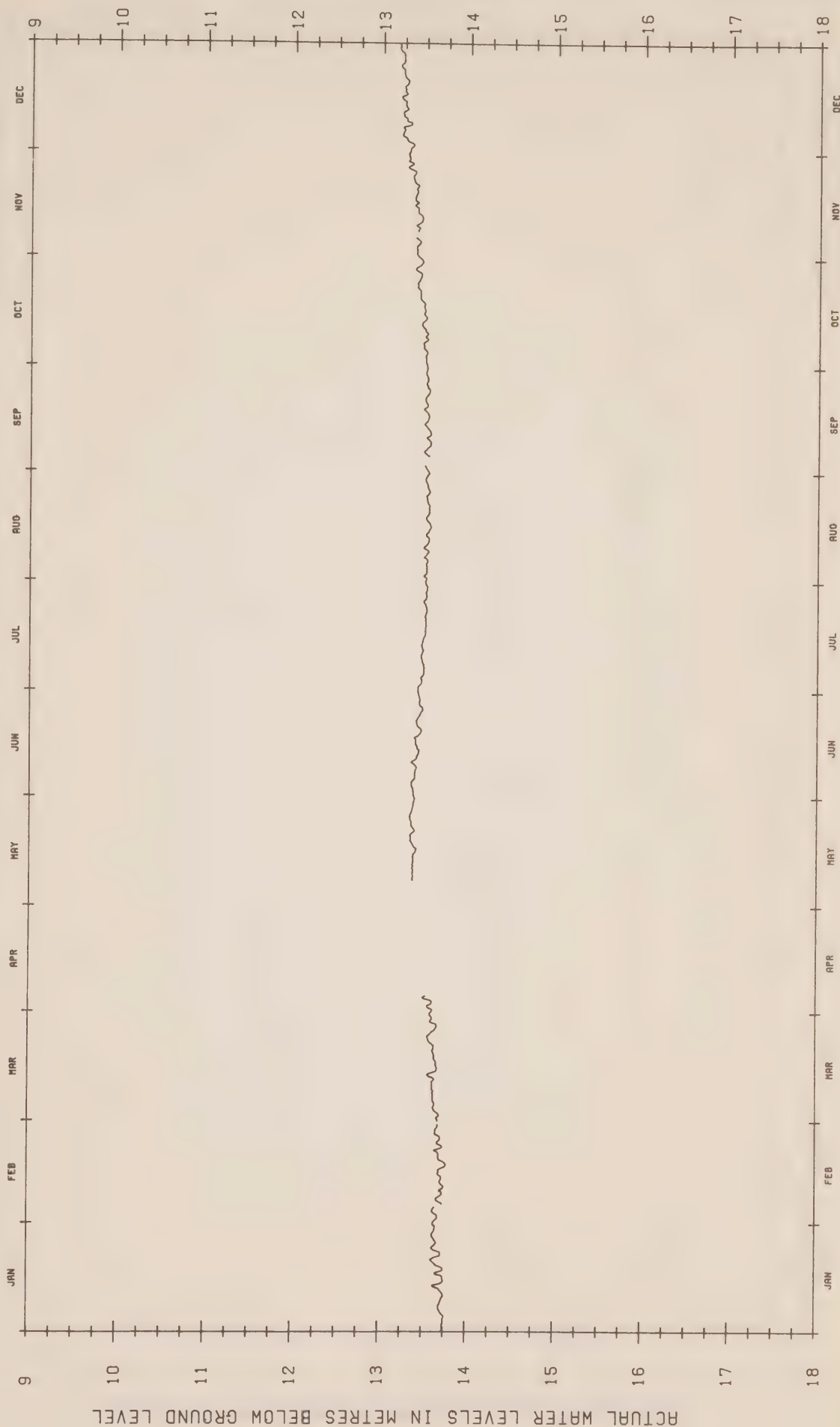
ENVIRONMENT ONTARIO



OBSERVATION WELL 106  
TOWNSHIP OF MARKHAM

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL 305  
TOWNSHIP OF MARKHAM

1979

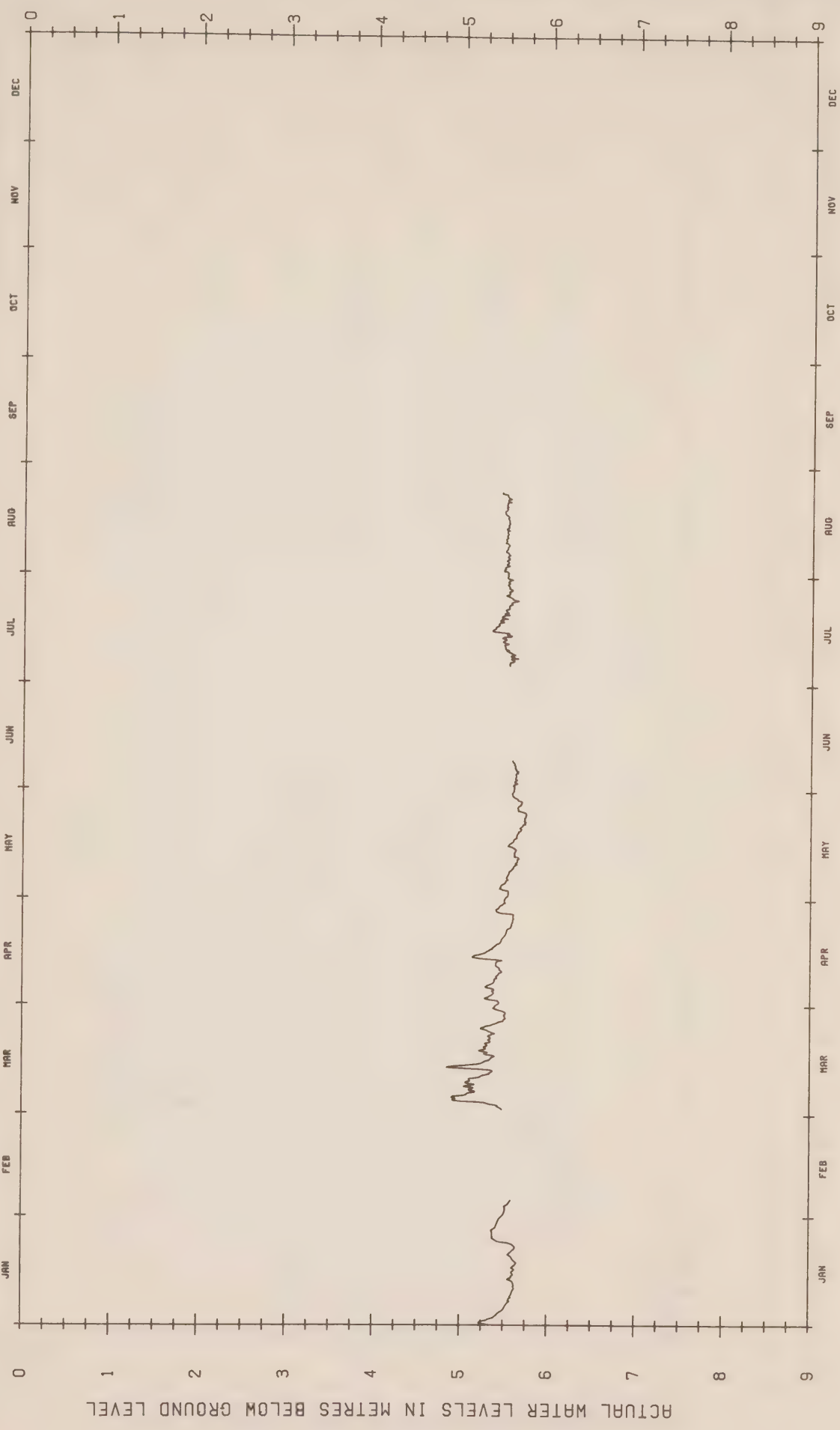
ENVIRONMENT ONTARIO



OBSERVATION WELL 398  
TOWNSHIP OF MARKHAM

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL 090  
BOROUGH OF NORTH YORK

1979

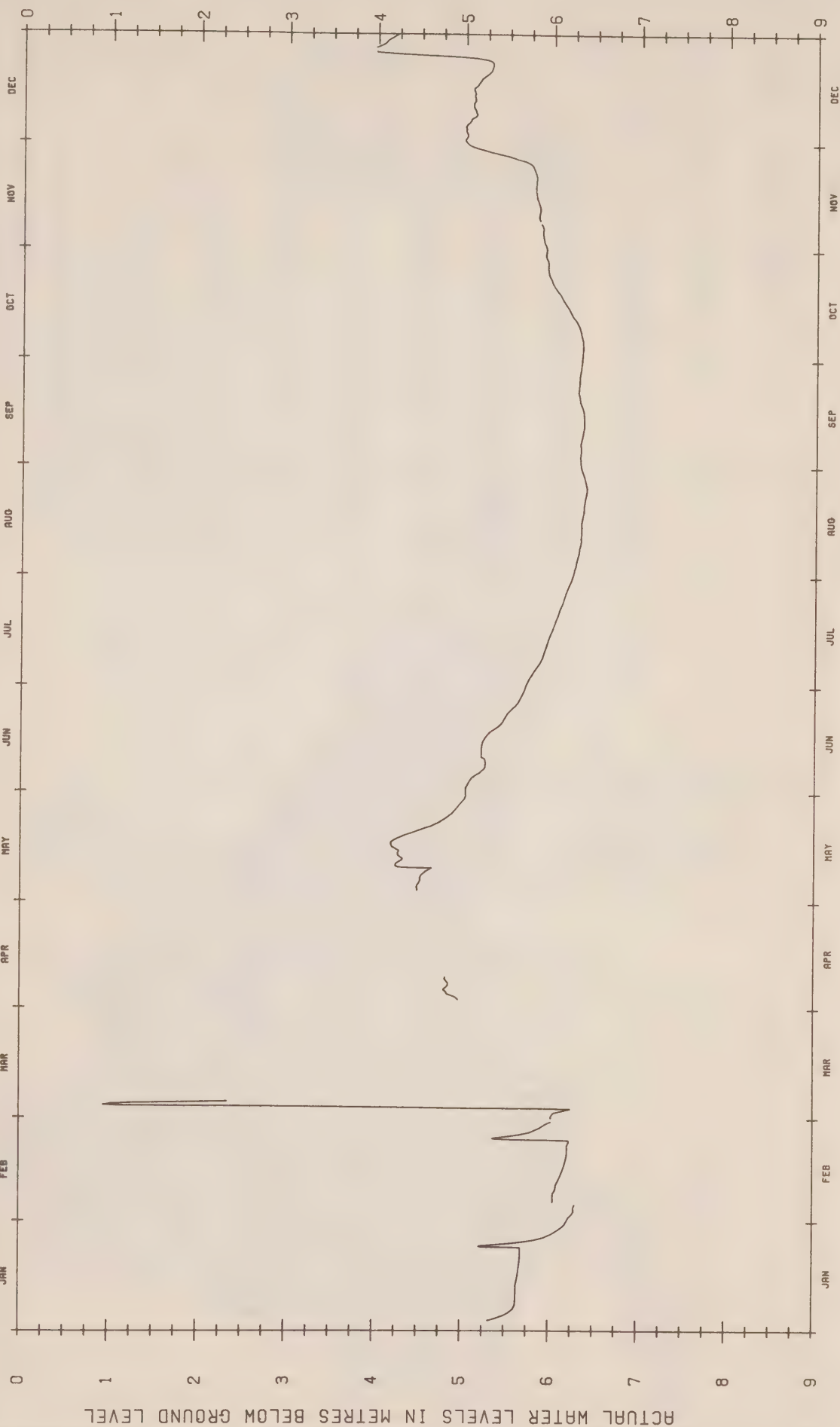
ENVIRONMENT ONTARIO



OBSERVATION WELL 340  
TOWNSHIP OF WHITCHURCH

1979

ENVIRONMENT ONTARIO





## OBSERVATION WELL DATA

REGIONAL OFFICE

KINGSTON

133 Dalton St.

613-549-4000

## DISTRICT OFFICES

Belleville

**15 Victoria Ave.**

613-962-9208

## Cornwall

408 Pitt St.

613-933-7402

Ottawa

2378 Holly Lane

613-521-3450

## Pembroke

1000 MacKay St.

P.O. Box 67

613-732-3643

## LEGEND

Regional Office

District Office

Recording Observation Well

Number of Recording Wells  
in same location

Manually Measured Well

Number of Manually Measured Wells  
in same location



ENVIRONMENT ONTARIO  
TORONTO  
DUNDAS COUNTY

OBSERVATION WELL 522

CHESTERVILLE

CONC. 4

LOT 18

WELL REC #: 1801941  
UTM CO-ORD: 7-18 E481750 N4994100  
LAT & LONG: 45-14 NORTH 75-06 WEST

REC METHOD: A71 RECORDER  
REC COMMD: MAY 13 1976  
MEASURE PT: 0.0 METRES ABOVE GROUND SURFACE  
GND ELEV: 69 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: UNKNOWN 5.

DIAMETER OF WELL: 76 CM  
LENGTH OF CASING: 5 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 5 METRES

PUMP RATE: N/A.  
SPEC. CAP: N/A.  
AQUIFER: UNKNOWN  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	2.58	2.41	2.44	2.25	2.29	2.33	2.46	2.59	2.47	2.37	2.31		1
2	2.37	2.43	2.47	2.23	2.31	2.34	2.45	2.60	2.48	2.36	2.32		2
3	2.36	2.44	2.49	2.15	2.30	2.35	2.46	2.58	2.46	2.37	2.33		3
4	2.39	2.43	2.48	2.17	2.23	2.36	2.46	2.57	2.45	2.37	2.33		4
5	2.41	2.43	2.42	2.18	2.22	2.37	2.48	2.57	2.46	2.38	2.34		5
6	2.42	2.44	2.35	2.18	2.22	2.39	2.49	2.56	2.45	2.36	2.33		6
7	2.42	2.44	2.31	2.21	2.23	2.40	2.49	2.55	2.43	2.35	2.33		7
8	2.42	2.43	2.30	2.24	2.24	2.41	2.50	2.55	2.44	2.36	2.33		8
9	2.44	2.44	2.29	2.25	2.25	2.41	2.50	2.56	2.45	2.36	2.33		9
10	2.46	2.45	2.26	2.28	2.26	2.41	2.50	2.56	2.46	2.34	2.31		10
11	2.49	2.45	2.23	2.30	2.28	2.39	2.51	2.53	2.46	2.33	2.30		11
12	2.50	2.45	2.25	2.31	2.28	2.36	2.52	2.53	2.46	2.33	2.30		12
13	2.49	2.45	2.26	2.32	2.29	2.36	2.53	2.54	2.46	2.28	2.31		13
14	2.43	2.45	2.19	2.30	2.31	2.37	2.54	2.54	2.38	2.26	2.29		14
15	2.43	2.45	2.16	2.27	2.32	2.38	2.56	2.55	2.23	2.26			15
16	2.44	2.45	2.18	2.26	2.33	2.39	2.57	2.56	2.20	2.25			16
17	2.45	2.47	2.19	2.26	2.34	2.41	2.59	2.57	2.20	2.26			17
18	2.45	2.47	2.19	2.28	2.36	2.43	2.59	2.57	2.20	2.27			18
19	2.47	2.45	2.20	2.30	2.37	2.45	2.61	2.57	2.23	2.27			19
20	2.47	2.45	2.20	2.32	2.37	2.46	2.61	2.56	2.28	2.27			20
21	2.45	2.45	2.19	2.33	2.36	2.46	2.62	2.56	2.31	2.24			21
22	2.45	2.45	2.15	2.35	2.36	2.46	2.62	2.57	2.35	2.23			22
23	2.48	2.45	2.12	2.36	2.36	2.45	2.63	2.58	2.38	2.23			23
24	2.48	2.43	2.06	2.36	2.36	2.45	2.63	2.57	2.40	2.25			24
25	2.47	2.41	2.06	2.36	2.36	2.46	2.64	2.55	2.39	2.28			25
26	2.47	2.39	2.08	2.37	2.35	2.48	2.63	2.53	2.38	2.30			26
27	2.44	2.39	2.13	2.35	2.32	2.48	2.59	2.52	2.37	2.33			27
28	2.41	2.40	2.18	2.26	2.31	2.48	2.57	2.51	2.37	2.30			28
29	2.39		2.21	2.25	2.31	2.48	2.57	2.50	2.37	2.28			29
30	2.40		2.24	2.27	2.32	2.48	2.58	2.46	2.37	2.30			30
31	2.40		2.24		2.32		2.58	2.47		2.31			31
-MONTHLY SUMMARY-													
MEAN	2.44	2.44	2.24	2.28	2.31	2.41	2.55	2.55	2.38	2.30			MEAN
INST	2.33	2.39	2.05	2.14	2.21	2.33	2.45	2.45	2.19	2.22			INST
MAX	( 2)	(27)	(25)	( 3)	( 5)	( 1)	( 2)	(30)	(17)	(23)			MAX
INST	2.66	2.47	2.50	2.37	2.38	2.48	2.64	2.60	2.48	2.38			INST
MIN	( 1)	(17)	( 3)	(27)	(19)	(29)	(25)	( 2)	( 2)	( 5)			MIN

ENVIRONMENT ONTARIO  
TORONTO  
DUNDAS COUNTY

OBSERVATION WELL 547

TOWNSHIP OF WINCHESTER

CONC. 6

LOT 1

WELL REC #: 1801561  
UTM CO-ORD: 2-18 E470750 N4992250  
LAT & LONG: 45-05 NORTH 75-22 WEST

REC METHOD: A-35 RECORDER  
REC COMMD: DEC. 14 1978  
MEASURE PT: 0.0 METRES ABOVE GROUND SURFACE  
GND ELEV: 76 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: STONY TILL 4.3; GREY DOLOMITE & LIMESTONE (SANDSTONE LAYERS) 19.8; GREY DOLOMITE & LIMESTONE (FEW STREAKS OF SANDSTONE & STREAKS OF GREEN SHALE NEAR BOTTOM) 43.

DIAMETER OF WELL: 25 CM  
LENGTH OF CASING: 6.7 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 43 METRES

PUMP RATE: 1.1 L/S  
SPEC. CAP: 0.12 L/S/M  
AQUIFER: DOLOMITE & LIMESTONE  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.12	5.58										1.65	1
2	6.84	5.56										1.66	2
3	6.40											1.67	3
4	6.01											1.66	4
5	5.80											1.69	5
6	5.66											1.74	6
7	5.60											1.73	7
8	5.47												8
9	5.54												9
10	5.53			1.38									10
11	5.03			1.43									11
12	5.54												12
13	5.59			1.46									13
14	5.18												14
15	5.11												15
16	5.52												16
17	5.68										2.61		17
18	5.81										2.53		18
19	5.88										2.56		19
20	5.90										2.55		20
21	5.88										2.46		21
22	5.94										2.52		22
23	6.06										2.48		23
24	6.06										2.49		24
25	5.94										2.44		25
26	6.06										2.22		26
27	6.08										1.71		27
28	5.89										1.61		28
29	5.87										1.57		29
30	5.76										1.61		30
31	5.65												31
-MONTHLY SUMMARY-													
MEAN	5.82												MEAN
INST	6.86												INST
MAX	(11)												MAX
INST	7.15												INST
MIN	( 1)												MIN

ENVIRONMENT ONTARIO  
TORONTO  
GRENVILLE COUNTY

OBSERVATION WELL 523

TOWNSHIP OF EDWARDSBURGH

CONC. 7

LOT 32

WELL REC #1 2403219  
UTM CO-ORD: 2-18 E454500 N4964400  
LAT & LONG: 44-49 NORTH 75-35 WEST

REC METHOD: A1 RECORDER  
REC COMM: MAY 11 1976  
MEASURE PT: 0.3 METRES ABOVE GROUND SURFACE  
GND ELV: 69 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LGS: UNKNOWN 9.5.

DIAMETER OF WELL: 91 CM  
LENGTH OF CASING: 9.5 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 9.5 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: UNKNOWN  
QUALITY: FRESH

E - ESTIMATE

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	5.37	4.84	4.30		0.81	1.60	2.57	3.53 E	4.29 E	4.05 E	2.94 E	1.42	1
2	5.33	4.98	4.28		0.84	1.62	2.60	3.56 E	4.31 E	4.02 E	2.90 E	1.38	2
3	5.32	4.95	4.25		0.87	1.65	2.64	3.59 E	4.33 E	4.00 E	2.86 E	1.36	3
4	5.32	4.93	4.20		0.83	1.68	2.67	3.61 E	4.35 E	3.98 E	2.83 E	1.35	4
5	5.31	4.92	4.09		0.87	1.72	2.71	3.64 E	4.37 E	3.95 E	2.81 E	1.34	5
6	5.31	4.92	3.93		0.92	1.76	2.74	3.66 E	4.39 E	3.93 E	2.78 E	1.33	6
7	5.30	4.92	3.74		0.98	1.81	2.77	3.69 E	4.42 E	3.92 E	2.76 E	1.31	7
8	5.29		3.56		1.02	1.85	2.80	3.72 E	4.44 E	3.90 E	2.73 E	1.29	8
9	5.28		3.37		1.07	1.89	2.84	3.74 E	4.46 E	3.89 E	2.71 E	1.30	9
10			3.10		1.12	1.93	2.87	3.77 E	4.48 E	3.88 E	2.69 E	1.31	10
11			2.73		1.18	1.95	2.89	3.79 E	4.50 E	3.86 E	2.67 E	1.32	11
12					1.23	1.98	2.93	3.82 E	4.52 E	3.85 E	2.64 E	1.30	12
13					1.28	2.00	2.95	3.85 E	4.55 E	3.81 E		1.27	13
14					1.31	2.02	2.99	3.87 E	4.47 E	3.78 E		1.27	14
15	5.12				1.35	2.03	3.02	3.89 E	4.36 E	3.75 E		1.30	15
16	5.10				1.40	2.05	3.05	3.92 E	4.37 E	3.71 E	2.48		16
17	5.08				1.44	2.08	3.08	3.94 E	4.38 E	3.67 E	2.44		17
18	5.06				1.48	2.11	3.11 E	3.97 E	4.38 E	3.62 E	2.40		18
19	5.06				1.52	2.14	3.14 E	4.00 E	4.37 E	3.58 E	2.37		19
20	5.04	4.85		0.75	1.56	2.18	3.17 E	4.02 E	4.35 E	3.54 E	2.34		20
21		4.82		0.79	1.61	2.21	3.20 E	4.04 E	4.32 E	3.49 E	2.31		21
22		4.79		0.83	1.65	2.25	3.23 E	4.07 E	4.29 E	3.43 E	2.28		22
23		4.68		0.86	1.68	2.28	3.27 E	4.09 E	4.26 E	3.38 E	2.25		23
24	4.92	4.44		0.89	1.72	2.32	3.30 E	4.11 E	4.23 E	3.32 E	2.21		24
25	4.88	4.41		0.93	1.75	2.36	3.33 E	4.14 E	4.20 E	3.27 E	2.18		25
26	4.85	4.38		0.95	1.74	2.39	3.35 E	4.16 E	4.17 E	3.22 E	2.11		26
27	4.82	4.35		0.88	1.69	2.43	3.38 E	4.18 E	4.14 E	3.17 E	1.91		27
28	4.79	4.33		0.71	1.64	2.47	3.41 E	4.20 E	4.11 E	3.12 E	1.73		28
29	4.76			0.71	1.61	2.50	3.44 E	4.22 E	4.09 E	3.08 E	1.58		29
30	4.73			0.77	1.60	2.53	3.47 E	4.24 E	4.07 E	3.04 E	1.48		30
31	4.71				1.59		3.50 E	4.26 E		2.99 E			31
-MONTHLY SUMMARY-													
MEAN					1.33	2.06	3.05	3.91	4.33	3.62			MEAN
INST					0.80	1.59	2.55	3.51	4.05	2.97			INST
MAX					( 1)	( 1)	( 1)	( 1)	(30)	(31)			MAX
INST					1.76	2.55	3.51	4.27	4.56	4.05			INST
MIN					(25)	(30)	(31)	(31)	(14)	( 1)			MIN

ENVIRONMENT ONTARIO  
TORONTO  
HASTINGS COUNTY

OBSERVATION WELL 209

TOWNSHIP OF HUNGERFORD

CONC. 5

LOT 1

WELL REC #1 2900582  
UTM CO-ORD: 2-18 E312982 N4918717  
LAT & LONG: 44-24 NORTH 77-21 WEST

REC METHOD: IF TYPE RECORDER  
REC COMM: NOV. 28 1967  
MEASURE PT: 0.9 METRES ABOVE GROUND SURFACE  
GND ELV: 165 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LGS: SAND AND BOULDERS 2.1; LIMESTONE 21.7.

DIAMETER OF WELL: 15 CM  
LENGTH OF CASING: 2.6 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 21.7 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	10.14	10.90	10.97	7.89	10.38	11.67	11.49	12.49		12.72	12.25		1
2	10.35	10.88	11.05	7.46	10.48	11.84	11.42	12.46		12.68	12.27	11.60	2
3	10.61	10.80	10.81	3.47	10.38	11.31	11.81	12.55		12.60	12.58	11.46	3
4	10.64	10.88	10.81	2.67	10.27	12.18	12.11	12.46		12.54	12.40	11.33	4
5	10.69	11.03	10.77	2.65	10.39	12.72	12.31	12.29		12.43	11.97	11.49	5
6	10.67	10.97	9.65	2.62	10.41	12.00	11.91	12.34		12.49	11.78	11.35	6
7	10.50	10.90	9.70	2.65	10.66	11.77	12.10	12.34		12.61	11.65	11.38	7
8	10.73	10.90	9.97	2.66	10.60	11.69	12.23	12.27		12.60	11.42	11.25	8
9	10.75	11.31	9.89	2.68	11.04	11.75	12.00	12.24		12.63	11.28	11.47	9
10	10.70	11.08	8.90	3.52	10.77	11.94	12.18	12.36		12.64	11.36	11.50	10
11	10.79	10.96	8.45	4.80	10.80	11.66	12.47	12.33		12.60	11.63	11.29	11
12	10.60	11.08	8.49	6.25	10.82	11.64	12.26	12.13		12.48	11.88	11.36	12
13	10.67	10.98	9.04	7.15	10.60	11.50	12.36	12.24		12.57	11.97	11.23	13
14	10.52	11.02	7.26	7.72	10.78	11.71	12.14	12.26	12.32	12.33	11.90	11.08	14
15	10.61	11.08	5.62	8.36	10.98	11.71	12.38	12.14	12.43	12.42	11.82	11.01	15
16	10.67	11.12	6.34	8.76	10.84	11.53	12.31	12.35	12.34	12.52	11.98	11.07	16
17	10.91	10.90	7.31	8.92	10.76	11.66	12.36	12.35	12.30	12.40	11.51	11.14	17
18	10.86	10.95	6.19	9.14	11.22	11.73	12.47	12.34	12.48	12.60	11.36	11.25	18
19	10.82	11.05	6.73	9.27	11.05	11.75	12.24	12.35	12.65	12.58	11.70	11.28	19
20	10.95	10.99	8.81	9.51	11.41	11.66	12.30	12.28	12.63	12.62	11.66	11.24	20
21	10.97	10.95		9.52	11.18	11.58	12.15	12.18	12.56	12.58	11.68	11.43	21
22	11.06	10.95		9.70	11.06	11.48	12.26	12.48	12.66	12.61	11.73	11.35	22
23	10.90	10.94		9.92	10.99	11.42	12.16	12.60	12.62	12.94	11.85	11.08	23
24	11.39	11.04	2.64	9.96	10.88	11.38	12.14	12.38	12.56	12.55	11.75	10.80	24
25	11.08	11.05	2.54	10.16	10.82	11.56	12.06	12.49	12.59	12.51	11.60	10.76	25
26	10.99	10.96	2.65	10.14	10.73	11.59	12.24	12.55	12.52	12.44		7.98	26
27	11.14	11.08	3.10	10.19	10.77	11.54	12.53	12.48	12.55	12.36		6.40	27
28	10.90	11.08	4.37	10.24	11.20	11.48	12.31	12.60	12.66	12.48		6.28	28
29	10.93		5.92	10.19	11.22	11.62	12.13	12.61	12.55	12.37		6.49	29
30	10.92		7.17	10.43	11.69	11.45	12.15	12.49	12.50	12.40		7.36	30
31	10.91		7.86		12.06		11.96			12.41		8.45	31
-MONTHLY SUMMARY-													
MEAN	10.79	10.99		7.29	10.88	11.68	12.16			12.53			MEAN
INST	10.03	10.63		2.61	10.14	11.09	11.24			12.14			INST
MAX	( 1)	( 4)		( 5)	( 5)	( 3)	( 2)			(14)			MAX
INST	12.09	11.55		10.69	12.53	13.29	12.74			12.88			INST
MIN	(24)	( 9)		(30)	(31)	( 5)	(27)			( 1)			MIN

ENVIRONMENT ONTARIO  
TORONTO  
HASTINGS COUNTY

OBSERVATION WELL 400  
TOWNSHIP OF SIDNEY

CONC. 5  
LOT 1

WELL REC #1 2906088  
UTM CO-ORD: Z-18 E291640 N4896980  
LAT & LONG: 44-12NORTH 77-37WEST

REC METHOD: 'F' TYPE RECORDER  
REC COMMD: JAN. 1974  
MEASURE PT: 1.0 METRES ABOVE GROUND SURFACE  
GND ELEV: 122 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BLACK TOPSOIL 0.3; BROWN SAND 0.9; LOOSE BROWN SAND AND FINE GRAVEL 2.1; BROWN SAND AND COARSE GRAVEL 15.3;  
BROWN SAND GRAVEL BOULDERS 18.3; GREY LIMESTONE 19.8;

DIAMETER OF WELL: 18 CM  
LENGTH OF CASING: 15.3 METRES  
LENGTH OF SCREEN: 3.0 METRES  
DEPTH OF WELL: 18.3 METRES

PUMP RATE: 11 L/S  
SPEC. CAP: 2.23 L/S/M  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1979 DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	15.44		15.55	14.94		13.99	14.39	15.06	15.23				1
2	15.44		15.56	14.92		13.99	14.40	15.06	15.24				2
3	15.44		15.56	14.91		13.99	14.42	15.06	15.24				3
4	15.43		15.56	14.90	14.19	14.00	14.47	15.06	15.26				4
5	15.43		15.54	14.90	14.17	14.00	14.50	15.06	15.27				5
6	15.43		15.51	14.88	14.14	14.02	14.53	15.06	15.27				6
7	15.43		15.50	14.85	14.12	14.03	14.57	15.06	15.29				7
8			15.47	14.82	14.10	14.05	14.60	15.07	15.30				8
9			15.45	14.79	14.08	14.06	14.63	15.07	15.31				9
10			15.44	14.77	14.06	14.08	14.66	15.08	15.32				10
11			15.42	14.76	14.05	14.09	14.70	15.08	15.33				11
12			15.41	14.74	14.04	14.11	14.72	15.09	15.34			15.95	12
13	15.51		15.40	14.72	14.03	14.11	14.75	15.09				15.97	13
14	15.51		15.39	14.69	14.02	14.14	14.76	15.09				15.99	14
15	15.51		15.37	14.67	14.01	14.17	14.78	15.10				16.00	15
16	15.51		15.35	14.65	14.01	14.19	14.79	15.10				16.01	16
17	15.51			14.62	14.00	14.23	14.81	15.10				16.02	17
18	15.52			14.60	14.00	14.26	14.83	15.10				16.02	18
19	15.52			14.58	13.99	14.28	14.85	15.10				16.02	19
20	15.51	15.14			13.99	14.31	14.87	15.10				16.01	20
21	15.52	15.13			13.99	14.32	14.92	15.10				16.00	21
22	15.54	15.11			13.99	14.32	14.96	15.12				16.00	22
23	15.54	15.10			13.99	14.33	15.00	15.15				16.00	23
24	15.54	15.08			13.99	14.33	15.03	15.16				16.00	24
25	15.55	15.07			13.99	14.34	15.06	15.18				16.00	25
26	15.55	15.05			13.99	14.34	15.07	15.19				16.00	26
27	15.55	15.03			13.99	14.36	15.07	15.20				16.00	27
28	15.55	15.01			13.99	14.37	15.07	15.20				16.00	28
29		14.99			13.99	14.37	15.07	15.20				16.00	29
30		14.97			13.99	14.38	15.06	15.20				16.01	30
31		14.95			13.99		15.06	15.21				16.00	31
-MONTHLY SUMMARY-													
MEAN						14.19	14.79	15.11					MEAN
INST MAX						13.99 ( 1 )	14.39 ( 5 )	15.06 ( 5 )					INST MAX
INST MIN						14.39 (30)	15.07 (26)	15.22 (31)					INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
HASTINGS COUNTY

OBSERVATION WELL 554  
TOWNSHIP OF SIDNEY

CONC. 5  
LOT 13

WELL REC #1 2909393  
UTM CO-ORD: Z-18 E296000 N4898120  
LAT & LONG: 44-13NORTH 77-00WEST

REC METHOD: A-35 RECORDER  
REC COMMD: JUNE 20 1979  
MEASURE PT: 0.55 METRES ABOVE GROUND SURFACE  
GND ELEV: 122 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: DENSE BROWN CLAY & STONES 6.1; LOOSE BROWN SAND & GRAVEL 17.4; SHATTERED GREY LIMESTONE 17.7.

DIAMETER OF WELL: 20 CM  
LENGTH OF CASING: 13.7 METRES  
LENGTH OF SCREEN: 3.4 METRES  
DEPTH OF WELL: 17.1 METRES

PUMP RATE: 11.4 L/S  
SPEC. CAP: 2.81 L/S/M  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

1979 DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE													
DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1							2.79	2.96	3.13	3.24	3.32	3.34	1
2							2.80	2.97	3.13	3.24	3.32	3.35	2
3							2.81	2.97	3.14	3.25	3.32	3.36	3
4							2.82	2.98	3.14	3.25	3.33	3.37	4
5							2.83	2.98	3.15	3.26	3.33	3.37	5
6							2.83	3.00	3.15	3.26	3.34	3.37	6
7							2.84	3.00	3.15	3.25	3.34	3.38	7
8							2.85	3.00	3.16	3.24	3.34	3.38	8
9							2.85	3.01	3.16	3.25	3.34	3.38	9
10							2.85	3.00	3.17	3.26	3.35	3.38	10
11							2.85	3.01	3.17	3.26	3.34	3.38	11
12							2.86	3.02	3.18	3.26	3.34	3.39	12
13							2.86	3.03	3.19	3.26	3.34	3.39	13
14							2.86	3.05	3.19	3.26	3.34	3.39	14
15							2.89	3.05	3.14	3.26	3.35	3.40	15
16							2.89	3.06	3.15	3.26	3.35	3.40	16
17							2.90	3.06	3.17	3.26	3.36	3.40	17
18							2.90	3.07	3.18	3.26	3.36	3.40	18
19							2.91	3.07	3.19	3.27	3.37	3.40	19
20							2.91	3.07	3.20	3.27	3.37	3.40	20
21							2.92	3.08	3.20	3.28	3.37	3.41	21
22							2.93	3.08	3.21	3.28	3.38	3.41	22
23							2.93	3.09	3.21	3.29	3.38	3.41	23
24							2.94	3.09	3.21	3.29	3.38	3.41	24
25							2.94	3.10	3.22	3.29	3.38	3.41	25
26						2.76	2.94	3.11	3.25	3.30	3.37	3.41	26
27						2.77	2.95	3.11	3.25	3.30	3.34	3.37	27
28						2.77	2.95	3.11	3.25	3.30	3.32	3.36	28
29						2.78	2.95	3.11	3.25	3.31	3.33	3.35	29
30						2.79	2.95	3.12	3.24	3.31	3.34	3.35	30
31							2.96	3.12		3.31		3.34	31
-MONTHLY SUMMARY-													
MEAN						2.89		3.05	3.18	3.27	3.35	3.34	MEAN
INST MAX						2.79 ( 1 )	2.96 ( 1 )	3.12 ( 1 )	3.24 ( 1 )	3.32 ( 1 )	3.32 ( 1 )	3.34 (31)	INST MAX
INST MIN						2.96 (31)	3.12 (31)	3.24 (30)	3.32 (31)	3.38 (23)	3.38 (23)	3.41 (23)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
HASTINGS COUNTY

OBSERVATION WELL 122

TOWNSHIP OF THORNHILL

COUNC. 6

LOT 22

WELL REC #1 2409483  
UTM CO-ORDINATE Z-18 E512800 N4904950  
LAT & LONG 44=1/NORTH 71=21-EAST

REC METHOD: F1 TYPE RECORDER  
REC COMMENT: FEB 2 1965  
MEASURE PT: 0.6 METRES ABOVE GROUND SURFACE  
GND ELEV: 114 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: STONEY CLAY 9.2.

DIAMETER OF WELL: 122 CM  
LENGTH OF CASING: 9.2 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 9.2 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: CLAY  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1				0.75	0.81	1.47	2.32	3.01	3.46	3.52	3.05	1.22	1
2				0.60	0.82	1.50	2.34	3.05	3.47	3.52	3.05	1.16	2
3				0.59	0.80	1.53	2.37	3.04	3.48	3.53	3.04	1.15	3
4				0.70	0.75	1.56	2.40	3.06	3.49	3.54	3.04	1.10	4
5				0.57	0.79	1.59	2.44	3.07	3.50	3.55	3.03	1.17	5
6				0.56	0.81	1.63	2.47	3.09	3.51	3.56	3.03	1.15	6
7				0.66	0.80	1.66	2.50	3.11	3.52	3.56	3.03	1.13	7
8				0.74	0.83	1.69	2.52	3.13	3.53	3.56	3.03	1.10	8
9				0.76	0.86	1.72	2.55	3.14	3.54	3.55	3.03	1.10	9
10				0.75	0.90	1.75	2.57	3.16	3.55	3.53	3.03	1.05	10
11				0.76	0.94	1.78	2.60	3.18	3.56	3.51	3.03	1.05	11
12				0.78	0.98	1.82	2.62	3.19	3.57	3.48	3.02	1.06	12
13				0.79	0.96	1.85	2.64	3.21	3.59	3.45	2.99	1.05	13
14				0.68	1.00	1.88	2.66	3.22	3.58	3.41	2.96	0.98	14
15				0.73	1.03	1.90	2.68	3.24	3.56	3.37	2.94	0.95	15
16				0.76	1.02	1.92	2.71	3.25	3.56	3.33	2.91	0.98	16
17				0.78	1.06	1.94	2.73	3.27	3.55	3.30	2.88	1.02	17
18				0.80	1.09	1.97	2.75	3.28	3.54	3.27	2.85	1.03	18
19				0.81	1.13	2.00	2.77	3.30	3.53	3.24	2.82	1.06	19
20			0.58	0.85	1.17	2.03	2.79	3.32	3.52	3.22	2.79	1.09	20
21			0.60	0.85	1.21	2.05	2.81	3.33	3.51	3.20	2.76	1.13	21
22			0.62	0.87	1.24	2.08	2.83	3.34	3.51	3.19	2.73	1.16	22
23			0.63	0.89	1.28	2.11	2.85	3.36	3.50	3.17	2.70	1.16	23
24			0.64	0.91	1.32	2.14	2.86	3.37	3.50	3.15	2.66	0.95	24
25			0.65	0.93	1.36	2.18	2.88	3.38	3.50	3.13	2.60	0.69	25
26			0.71	0.94	1.36	2.20	2.90	3.40	3.50	3.11	2.51	0.54	26
27			0.75	0.73	1.35	2.22	2.91	3.41	3.50	3.10	2.41	0.66	27
28			0.77	0.71	1.37	2.25	2.93	3.42	3.50	3.09	2.20	0.73	28
29			0.75	0.77	1.39	2.27	2.94	3.43	3.51	3.08	1.74	0.76	29
30			0.74	0.79	1.42	2.29	2.96	3.44	3.51	3.07	1.39	0.77	30
31			0.69		1.44		2.98	3.45		3.06		0.74	31

=MONTHLY SUMMARY=

MEAN				0.76	1.07	1.90	2.69	3.25	3.52	3.33	2.77	1.00	MEAN
INST				0.45	0.73	1.45	2.30	3.00	3.46	3.06	1.27	0.48	INST
MAX				( 2 )	( 3 )	( 1 )	( 1 )	( 1 )	( 1 )	( 3 )	( 3 )	( 26 )	MAX
INST				0.95	1.45	2.30	3.00	3.46	3.54	3.57	3.06	1.27	INST
MIN				( 26 )	( 31 )	( 30 )	( 31 )	( 31 )	( 14 )	( 8 )	( 1 )	( 1 )	MIN

ENVIRONMENT ONTARIO  
TORONTO

OBSERVATION WELL 555

REG. MUNICIPALITY OF OTTAWA-CARLETON TOWNSHIP OF GLOUCESTER

R.F. 5

LOT 28

WELL REC #1 1514800  
UTM CO-ORDINATE Z-18 E455400 N5015260  
LAT & LONG 45=18NORTH 75=34WEST

REC METHOD: A-35 RECORDER  
REC COMMENT: AUG. 02 1979  
MEASURE PT: 0.0 METRES ABOVE GROUND SURFACE  
GND ELEV: 116 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: PACKED BROWN SAND WITH GRAVEL & BOULDERS 2.1; GREY LIMESTONE 9.8; BROKEN GREY LIMESTONE 21.4.

DIAMETER OF WELL: 20 CM  
LENGTH OF CASING: 2.4 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 21.4 METRES

PUMP RATE: 2.1 L/S  
SPEC. CAP: 0.04 L/S/M  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1									8.03	7.05			1
2									7.99	7.02			2
3									8.00	7.04			3
4									8.02	7.05			4
5									7.99	7.06			5
6									7.92	6.98			6
7									7.99	7.04			7
8									8.04	7.07			8
9									8.03	7.07			9
10									7.98	7.04			10
11									8.04	6.95			11
12									8.05	6.89			12
13									8.02	6.80			13
14									7.98	6.82			14
15									8.00	6.72			15
16									7.91	6.63			16
17									7.75	6.52			17
18									7.58	6.43			18
19									7.54	6.34			19
20									7.50	6.20			20
21									7.39	6.13			21
22									7.37	6.06			22
23								7.95	7.37	5.96			23
24								7.95	7.36	5.88			24
25								7.96	7.32	5.85			25
26								8.01	7.22	5.86			26
27								8.06	7.17	5.85			27
28								8.03	7.12	5.74			28
29								8.05	7.09	5.69			29
30								8.07	7.09				30
31								8.10					31

=MONTHLY SUMMARY=

MEAN								7.69					MEAN
INST								7.06					INST
MAX								( 30 )					MAX
INST								8.06					INST
MIN								( 1 )					MIN

ENVIRONMENT ONTARIO  
TORONTO  
REG. MUNICIPALITY OF OTTAWA-CARLETON

OBSERVATION WELL 541  
TOWNSHIP OF NEPEAN

RF 3  
LOT 201

WELL REC #1 1514435  
UTM CO-ORD: 2-84 E405155 N014864  
LAT & LONG: 45-17 NORTH 75-45WEST

REC METHOD: A35 RECORDER  
REC COMMEN: NOV. 30 1978  
MEASURE PT: METRES ABOVE GROUND SURFACE  
GND ELEV: 94 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: GREY CLAY 4.0; WHITE SANDSTONE 89.7,

DIAMETER OF WELL: 30 CM  
LENGTH OF CASING: 6.7 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 89.7 METRES

PUMP RATE: 6 L/S  
SPEC. CAP: N.A.  
AQUIFER: WHITE SANDSTONE  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW MEASURING POINT

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	3.54	3.24	3.22	2.02	2.21	2.60	2.71	3.18	2.99	3.01	2.54	2.09	1
2	3.35	3.25	3.22	1.99	2.25	2.60	2.03	3.10	3.00	3.03	2.55	2.13	2
3	3.29	3.25	3.23	1.87	2.26	2.61	1.97	2.97	3.02	3.05	2.57	2.17	3
4	3.26	3.26	3.15	1.88	2.24	2.64	2.04	2.97	3.06	3.07	2.62	2.20	4
5	3.25	3.27	2.97	1.88	2.23	2.68	2.14	2.97	3.08	3.08	2.64	2.24	5
6	3.23	3.28	2.76	1.85	2.24	2.71	2.21	2.90	3.09	3.04	2.64	2.26	6
7	3.22	3.28	2.58	1.91	2.29	2.73	2.27	2.89	3.12	2.99	2.64	2.26	7
8	3.22	3.28	2.48	1.95	2.31	2.76	2.34	2.91	3.16	2.99	2.65	2.27	8
9	3.22	3.29	2.39	1.98	2.34	2.78	2.39	2.93	3.21	2.97	2.65	2.29	9
10	3.23	3.30	2.31	2.04	2.38	2.60	2.45	2.94	3.22	2.95	2.65	2.31	10
11	3.25	3.31	2.22	2.09	2.42	2.81	2.51	2.95	3.21	2.93	2.62	2.32	11
12	3.25	3.31	2.23	2.11	2.45	2.81	2.54	2.97	3.23	2.90	2.61	2.32	12
13	3.24	3.32	2.25	2.15	2.45	2.81	2.58	2.98	3.24	2.75	2.60	2.29	13
14	3.23	3.32	2.20	2.11	2.45	2.82	2.62	2.99	3.08	2.63	2.57	2.29	14
15	3.28	3.33	2.14	2.04	2.48	2.83	2.67	3.01	2.68	2.59	2.50	2.31	15
16	3.29	3.34	2.14	2.04	2.51	2.82	2.71	3.04	2.65	2.59	2.48	2.33	16
17	3.30	3.36	2.17	2.05	2.53	2.76	2.76	3.06	2.65	2.59	2.48	2.38	17
18	3.31	3.36	2.17	2.09	2.54	2.76	2.79	3.09	2.65	2.59	2.48	2.41	18
19	3.33	3.36	2.14	2.13	2.56	2.81	2.83	3.11	2.69	2.60	2.48	2.44	19
20	3.31	3.36	2.07	2.17	2.58	2.81	2.87	3.13	2.73	2.61	2.48	2.47	20
21	3.29	3.36	2.00	2.21	2.58	2.82	2.90	3.18	2.75	2.51	2.48	2.48	21
22	3.32	3.38	1.93	2.24	2.55	2.83	2.95	3.20	2.77	2.42	2.48	2.50	22
23	3.36	3.38	1.87	2.28	2.54	2.75	2.98	3.20	2.81	2.42	2.44	2.51	23
24	3.36	3.34	1.82	2.32	2.54	2.70	3.01	3.14	2.84	2.42	2.39	2.42	24
25	3.34	3.26	1.77	2.33	2.56	2.71	3.04	3.11	2.86	2.45	2.38	2.24	25
26	3.35	3.21	1.79	2.36	2.57	2.73	3.07	3.12	2.89	2.48	2.23	2.09	26
27	3.36	3.20	1.88	2.33	2.58	2.75	3.09	3.12	2.92	2.50	1.93	2.08	27
28	3.31	3.22	1.96	2.20	2.59	2.78	3.11	3.15	2.95	2.51	1.93	2.12	28
29	3.27		2.00	2.17	2.59	2.81	3.14	3.07	2.98	2.53	1.96	2.17	29
30	3.26		2.02	2.18	2.60	2.83	3.20	2.99	2.99	2.54	2.02	2.20	30
31	3.25		2.01		2.60		3.22	2.99		2.54		2.24	31

MONTHLY SUMMARY

MEAN	3.29	3.30	2.29	2.10	2.45	2.75	2.68	3.04	2.95	2.72	2.46	2.28	MEAN
INST MAX	3.21 (14)	3.20 (27)	1.76 (26)	1.83 (6)	2.19 (1)	2.60 (2)	1.96 (3)	2.89 (7)	2.64 (18)	2.42 (22)	1.92 (27)	2.06 (1)	INST MAX
INST MIN	3.63 (1)	3.39 (23)	3.23 (2)	2.37 (27)	2.60 (30)	2.85 (16)	3.26 (30)	3.21 (1)	3.24 (13)	3.08 (5)	2.65 (9)	2.51 (23)	INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
PRESCOTT COUNTY

OBSERVATION WELL 521  
TOWNSHIP OF SOUTH PLANTAGENET

CONC. 13  
LOT 17

WELL REC #1 5201152  
UTM CO-ORD: 2-18 E499950 N5027100  
LAT & LONG: 45-02 NORTH 75-25WEST

REC METHOD: A71 RECORDER  
REC COMMEN: APR. 03 1976  
MEASURE PT: 0.6 METRES ABOVE GROUND SURFACE  
GND ELEV: 67 METRES ABOVE SEA LEVEL  
WELL TYPE: DUG  
WELL LOG: UNKNOWN 7.9,

DIAMETER OF WELL: 91 CM  
LENGTH OF CASING: 7.9 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 7.9 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: UNKNOWN  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	7.36	7.54			7.51	7.38	7.25	7.23	7.28	7.32	7.36	7.37	1
2	7.36	7.54			7.51	7.37	7.24	7.23	7.28	7.32	7.36	7.37	2
3	7.37	7.54			7.50	7.36	7.24	7.23	7.28	7.33	7.36	7.37	3
4	7.37	7.54			7.49	7.36	7.24	7.23	7.29	7.33	7.37	7.36	4
5	7.37	7.54			7.49	7.35	7.24	7.23	7.29	7.32	7.37	7.36	5
6	7.37	7.54			7.49	7.35	7.24	7.23	7.28	7.32	7.37	7.36	6
7	7.36	7.54			7.48	7.35	7.24	7.23	7.28	7.33	7.36	7.36	7
8	7.37	7.54			7.47	7.34	7.24	7.24	7.29	7.33	7.36	7.36	8
9	7.38	7.54			7.47	7.34	7.23	7.25	7.29	7.33	7.37	7.37	9
10	7.39	7.54			7.47	7.33	7.23	7.25	7.30	7.33	7.36	7.36	10
11	7.39	7.54		7.59	7.47	7.32	7.23	7.25	7.30	7.33	7.38	7.36	11
12	7.39	7.54		7.58	7.46	7.32	7.22	7.26	7.30	7.33	7.37	7.35	12
13	7.39	7.54		7.58	7.45	7.32	7.22	7.26	7.30	7.34	7.37	7.37	13
14	7.39	7.54		7.57	7.45	7.32	7.22	7.25	7.29	7.34	7.37	7.36	14
15	7.40	7.54		7.57	7.45	7.30	7.22	7.26	7.30	7.34	7.37	7.36	15
16	7.40	7.54		7.57	7.45	7.30	7.22	7.27	7.30	7.34	7.38	7.35	16
17	7.41	7.54		7.57	7.44	7.30	7.22	7.27	7.30	7.34	7.37	7.35	17
18	7.41			7.57	7.44	7.29	7.22	7.27	7.30	7.34	7.38	7.35	18
19	7.41			7.56	7.43	7.29	7.22	7.27	7.31	7.34	7.38		19
20	7.40			7.56	7.43	7.29	7.22	7.27	7.31	7.34	7.38		20
21	7.43			7.55	7.43	7.28	7.22	7.27	7.30	7.34	7.38		21
22	7.43			7.55	7.43	7.27	7.22	7.27	7.31	7.34	7.37		22
23	7.42			7.55	7.42	7.27	7.22	7.27	7.32	7.35	7.37		23
24	7.43			7.54	7.42	7.27	7.22	7.27	7.32	7.35	7.37		24
25	7.43			7.54	7.41	7.27	7.22	7.27	7.31	7.35	7.37		25
26	7.43			7.54	7.41	7.26	7.22	7.28	7.32	7.35	7.38		26
27	7.42			7.54	7.40	7.26	7.23	7.27	7.32	7.35	7.37		27
28	7.43			7.53	7.40	7.26	7.23	7.27	7.32	7.35	7.38		28
29	7.44			7.52	7.40	7.25	7.23	7.27	7.32	7.36	7.37		29
30	7.54			7.51	7.39	7.25	7.23	7.27	7.32	7.36	7.37		30
31	7.54				7.39		7.23	7.28		7.36			31

MONTHLY SUMMARY

MEAN	7.41				7.45	7.31	7.23	7.26	7.30	7.34	7.37		MEAN
INST MAX	7.35 (7)				7.39 (31)		7.25 (30)	7.22 (19)	7.22 (6)	7.31 (6)	7.35 (26)		INST MAX
INST MIN	7.54 (31)				7.51 (1)	7.39 (1)	7.25 (1)	7.28 (31)	7.32 (30)	7.36 (30)	7.38 (18)		INST MIN

ENVIRONMENT ONTARIO  
TORONTO  
PRINCE EDWARD COUNTY

OBSERVATION WELL 178  
TOWNSHIP OF HALLOWELL

MT 2 LOT 2

WELL REC #1 5300976  
UTM CO-ORDS 7=18 E318640 N4873090  
LAT & LONG 43=59NORTH 77=15WEST

REC METHOD: A35 RECORDER  
REC COMMCD: JUL. 18 1966  
MEASURE PT: 0.5 METRES ABOVE GROUND SURFACE  
GND ELEV: 90 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: GRAVEL 3.0; LIMESTONE 30.5.

DIAMETER OF WELL: 15 CM  
LENGTH OF CASING: 3 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 100 METRES

PUMP RATE: 5 L/S  
SPEC. CAP: N.A.  
AQUIFER: LIMESTONE  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1	0.50								4.07		0.37	0.15	1
2	0.42								4.08		0.38	0.16	2
3	0.36								4.09		0.39	0.18	3
4	0.32								4.10		0.39	0.18	4
5	0.31								4.11		0.40	0.19	5
6	0.29								4.12	0.74	0.41	0.19	6
7	0.27								4.13	0.69	0.42	0.20	7
8									4.14	0.62	0.43	0.22	8
9									4.14	0.55	0.44	0.24	9
10									4.14	0.50	0.44	0.25	10
11									4.14	0.43	0.40	0.27	11
12									3.75	0.35	0.40	0.27	12
13									2.45	0.30	0.35	0.28	13
14										0.28	0.32	0.29	14
15										0.29	0.29	0.30	15
16								3.61		0.30	0.26	0.30	16
17								3.64		0.31	0.24	0.32	17
18								3.66		0.31	0.23	0.33	18
19								3.70		0.30	0.23	0.34	19
20								3.74		0.29	0.24	0.35	20
21								3.77		0.29	0.25	0.36	21
22								3.80		0.29	0.26	0.37	22
23								3.83		0.29	0.27	0.38	23
24								3.85		0.29	0.27	0.39	24
25								3.88		0.30	0.26	0.39	25
26								3.91		0.31	0.25	0.41	26
27								3.94		0.32	0.24	0.42	27
28								4.00		0.33	0.20	0.43	28
29								4.05		0.35	0.16	0.44	29
30								4.06		0.36		0.46	30
31												0.48	31

=MONTHLY SUMMARY=

MEAN											0.31	0.31	MEAN
INST											0.14	0.15	INST
MAX											(30)	( 1)	MAX
INST											0.44	0.50	INST
MIN											( 9)	(31)	MIN

ENVIRONMENT ONTARIO  
TORONTO  
COUNTY OF RUSSELL

OBSERVATION WELL 546  
TOWNSHIP OF CLARENCE

CONC. 6

LOT 181

WELL REC #1 5602221  
UTM CO-ORDS Z=84 E857005 N032220  
LAT & LONG 45=03 NORTH 75=27WEST

REC METHOD: A35 RECORDER  
REC COMMCD: SEP. 17 1977  
MEASURE PT: 0.7 METRES ABOVE GROUND SURFACE  
GND ELEV: 230 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG: BROWN SAND 3.1; GREY SAND WITH CLAY STREAKS (25.9=29) 30.1 SAND AND GRAVEL WITH BOULDERS 33.6; SOFT, FISSILE LAYERED SHALE 44.8.

DIAMETER OF WELL: 20 CM  
LENGTH OF CASING: 34 METRES  
LENGTH OF SCREEN: NONE  
DEPTH OF WELL: 44.8 METRES

PUMP RATE: N.A.  
SPEC. CAP: N.A.  
AQUIFER: SHALE  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1		18.08											1
2		18.12											2
3		18.13											3
4		18.09											4
5													5
6													6
7													7
8													8
9													9
10													10
11													11
12						17.83							12
13						17.84							13
14						17.85							14
15						17.79							15
16						17.75							16
17						17.79							17
18						17.83							18
19						17.87							19
20						17.89							20
21						17.91							21
22						17.90							22
23						17.90							23
24						17.92							24
25													25
26													26
27													27
28													28
29													29
30	18.17												30
31	18.12												31

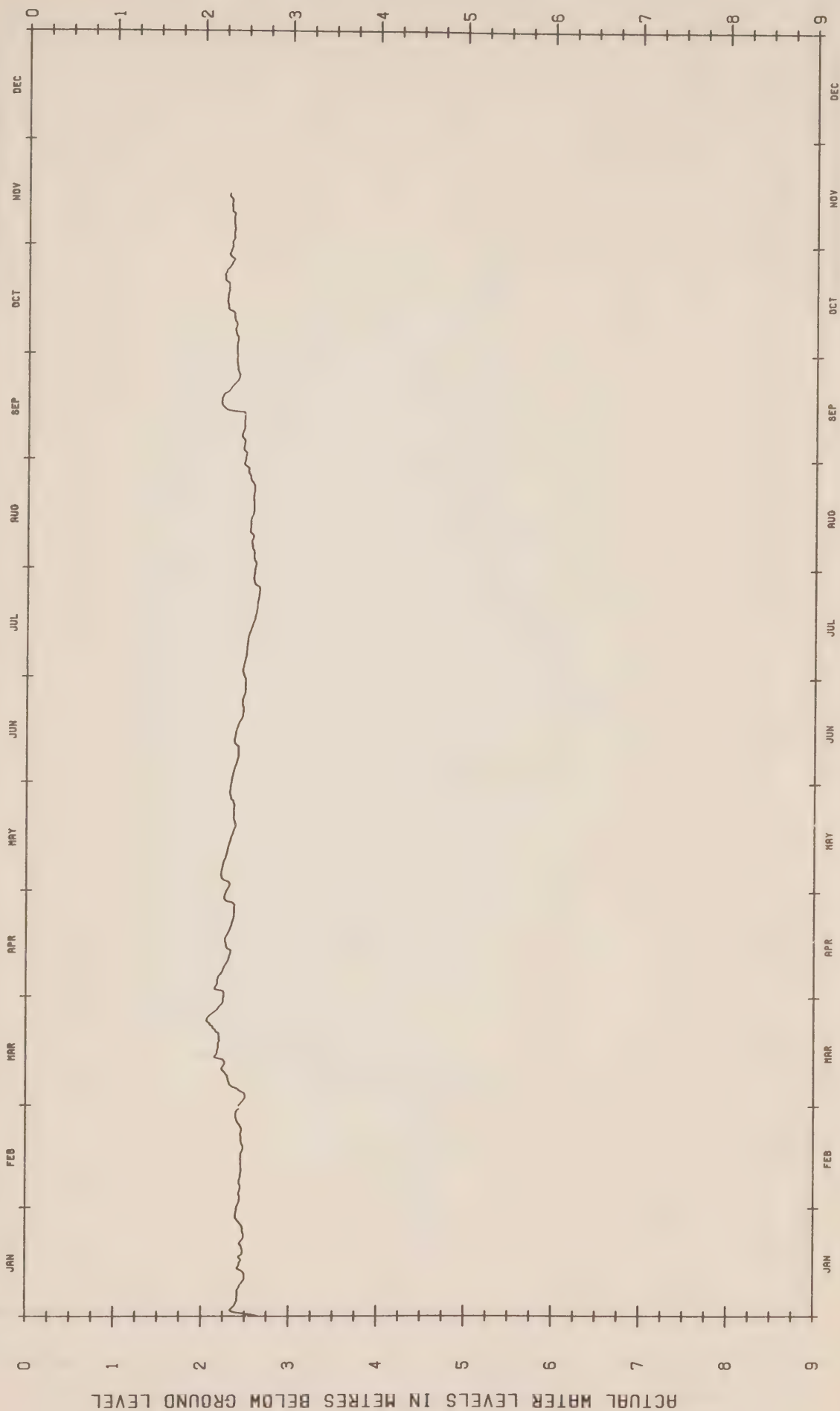
=MONTHLY SUMMARY=

MEAN													MEAN
INST													INST
MAX													MAX
INST													INST
MIN													MIN

OBSERVATION WELL 522  
CHESTERVILLE

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL 523  
TOWNSHIP OF EDWARDSBURGH

1979

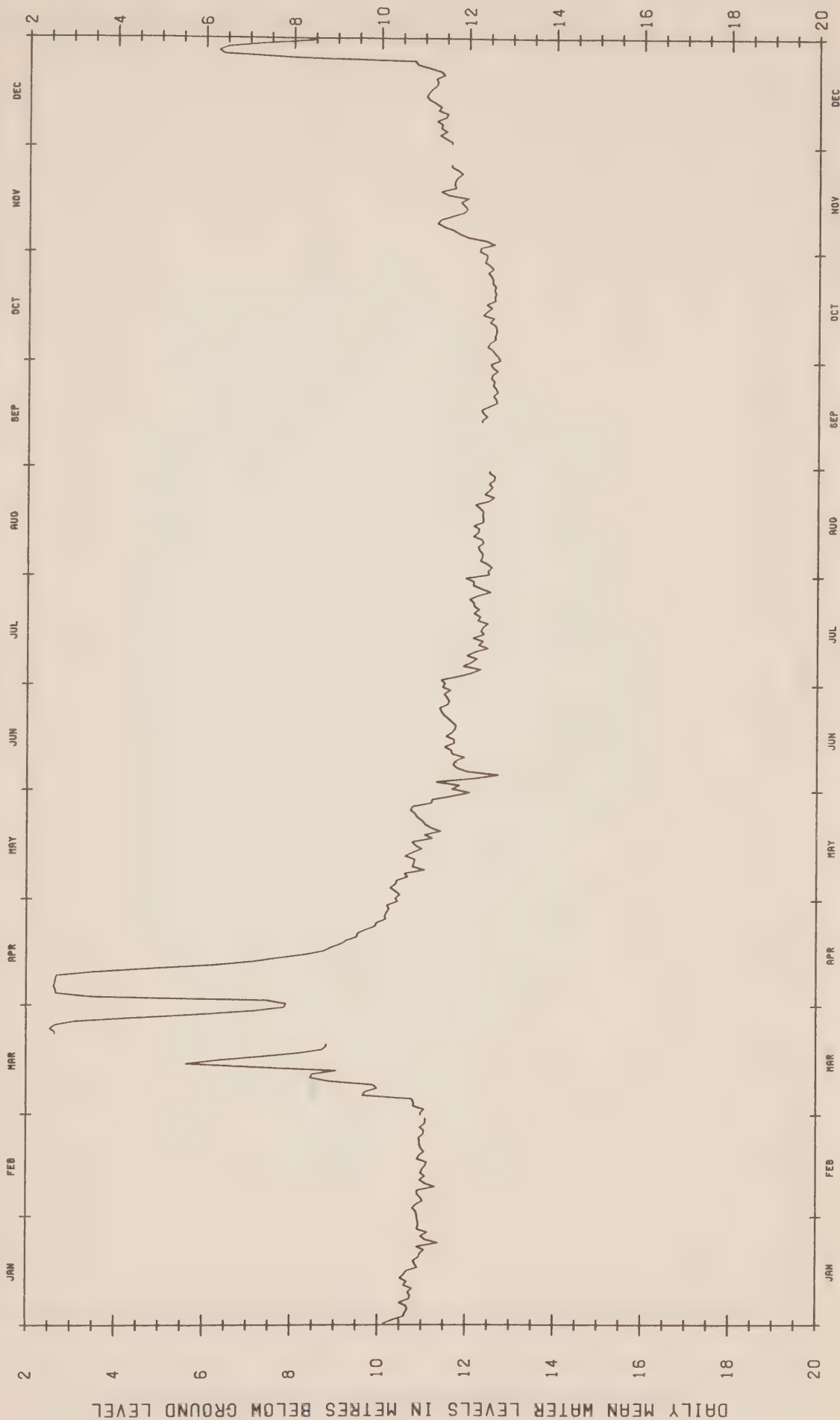
ENVIRONMENT ONTARIO



# OBSERVATION WELL 209 TOWNSHIP OF HUNGERFORD

1979

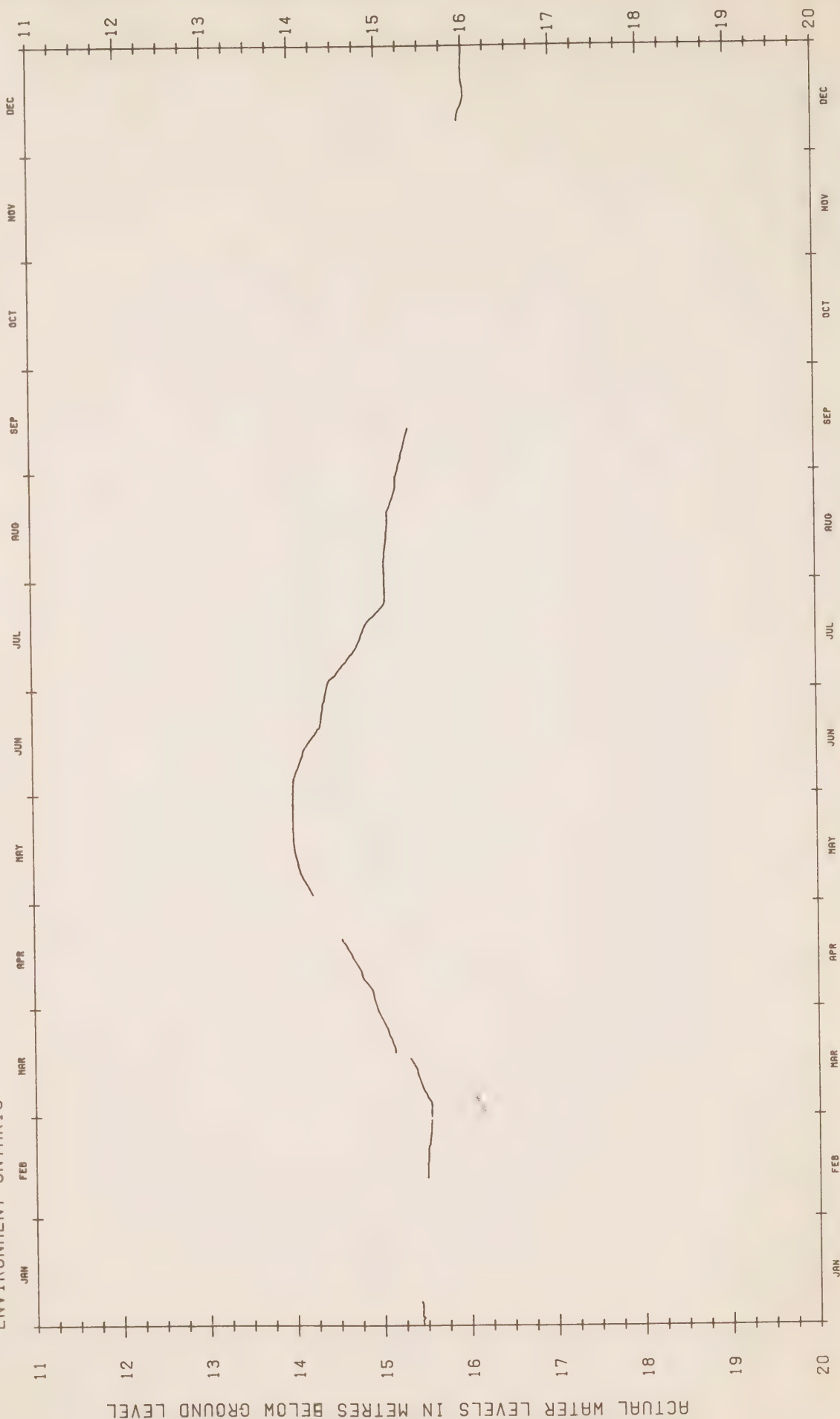
ENVIRONMENT ONTARIO



OBSERVATION WELL 400  
TOWNSHIP OF SIDNEY

1979

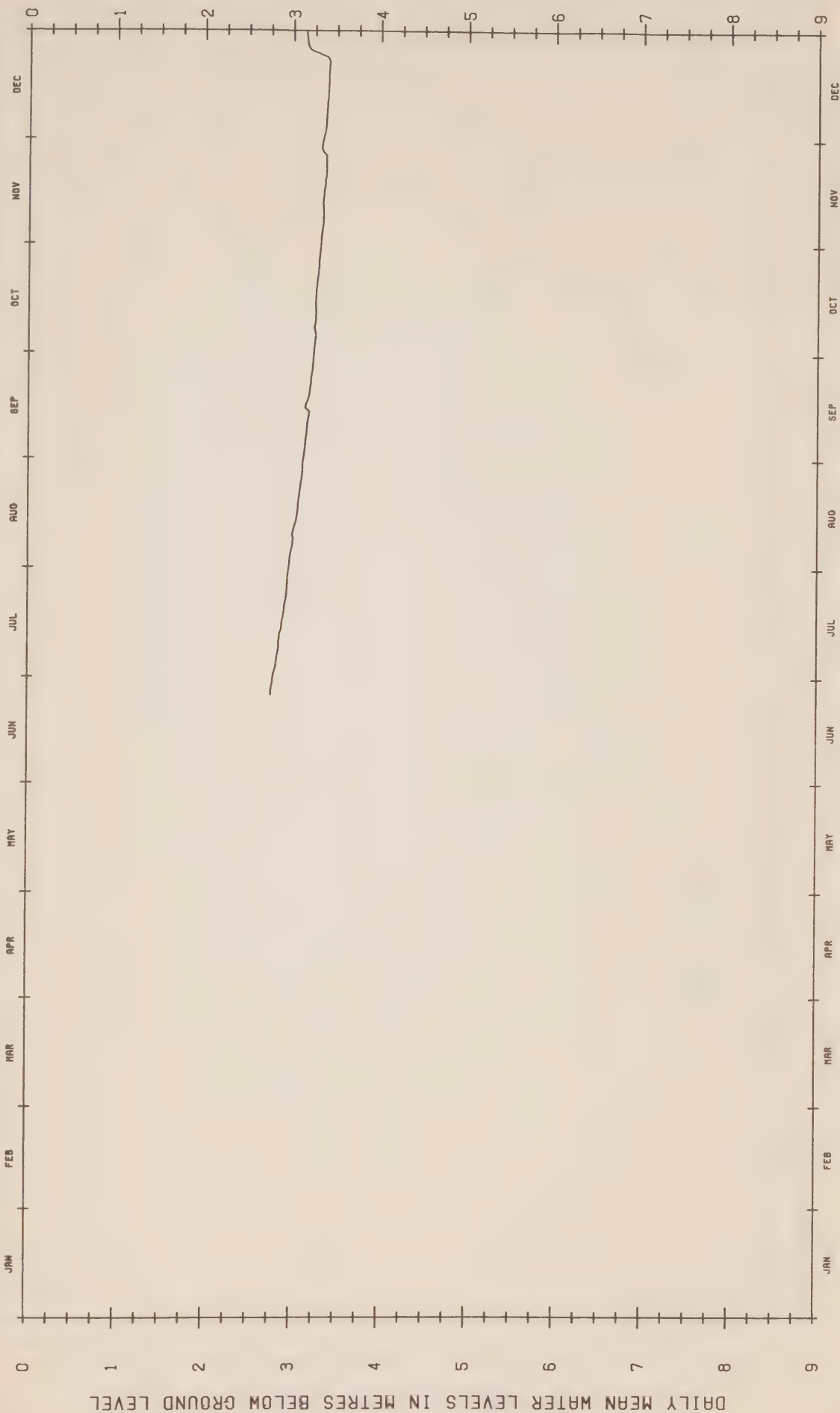
ENVIRONMENT ONTARIO



OBSERVATION WELL 554  
TOWNSHIP OF SIDNEY

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL 122  
TOWNSHIP OF THURLOW

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL 541  
TOWNSHIP OF NEPERN

1979

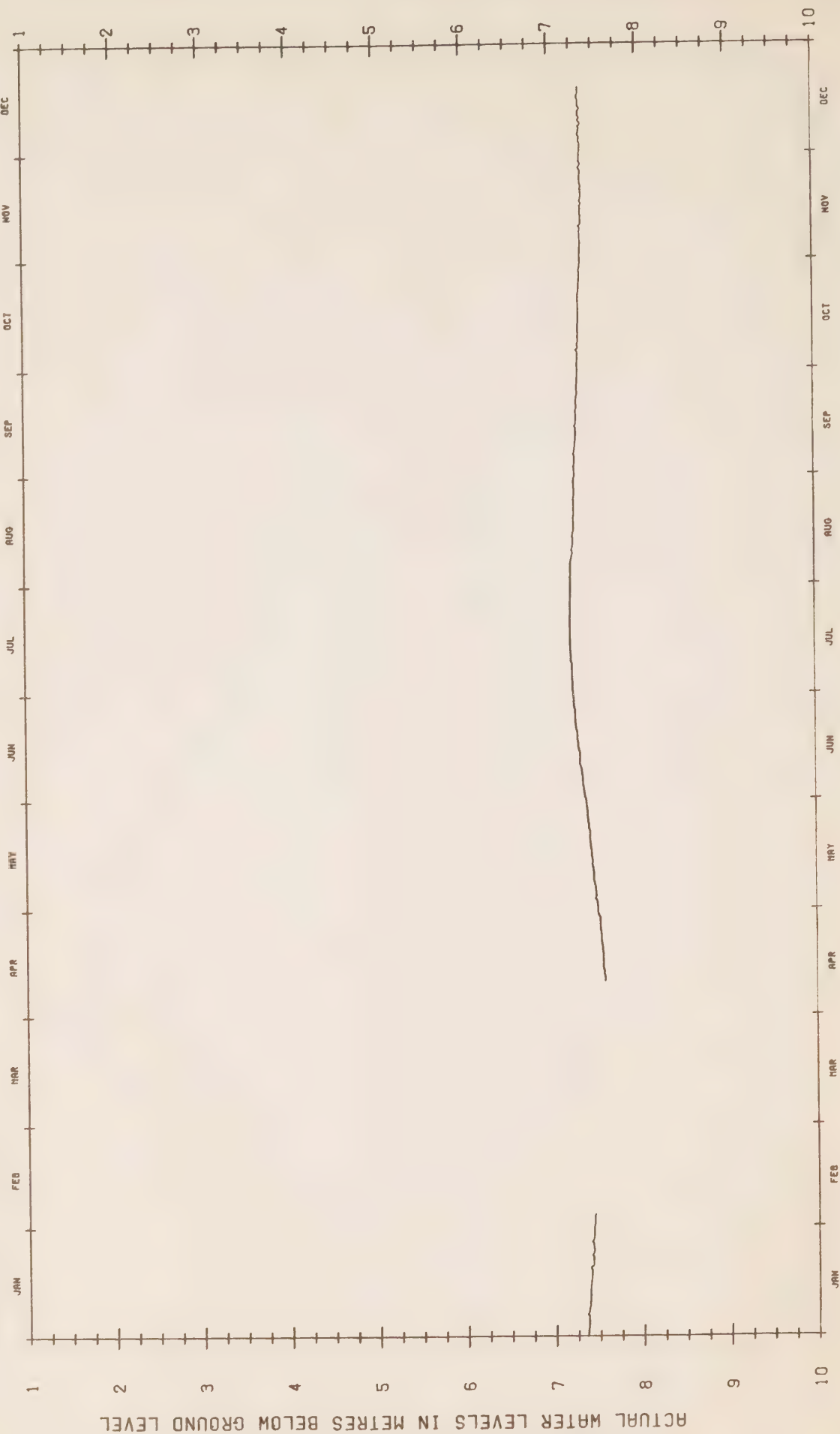
ENVIRONMENT ONTARIO



OBSERVATION WELL 521  
TOWNSHIP OF SOUTH PLANTAGENET

1979

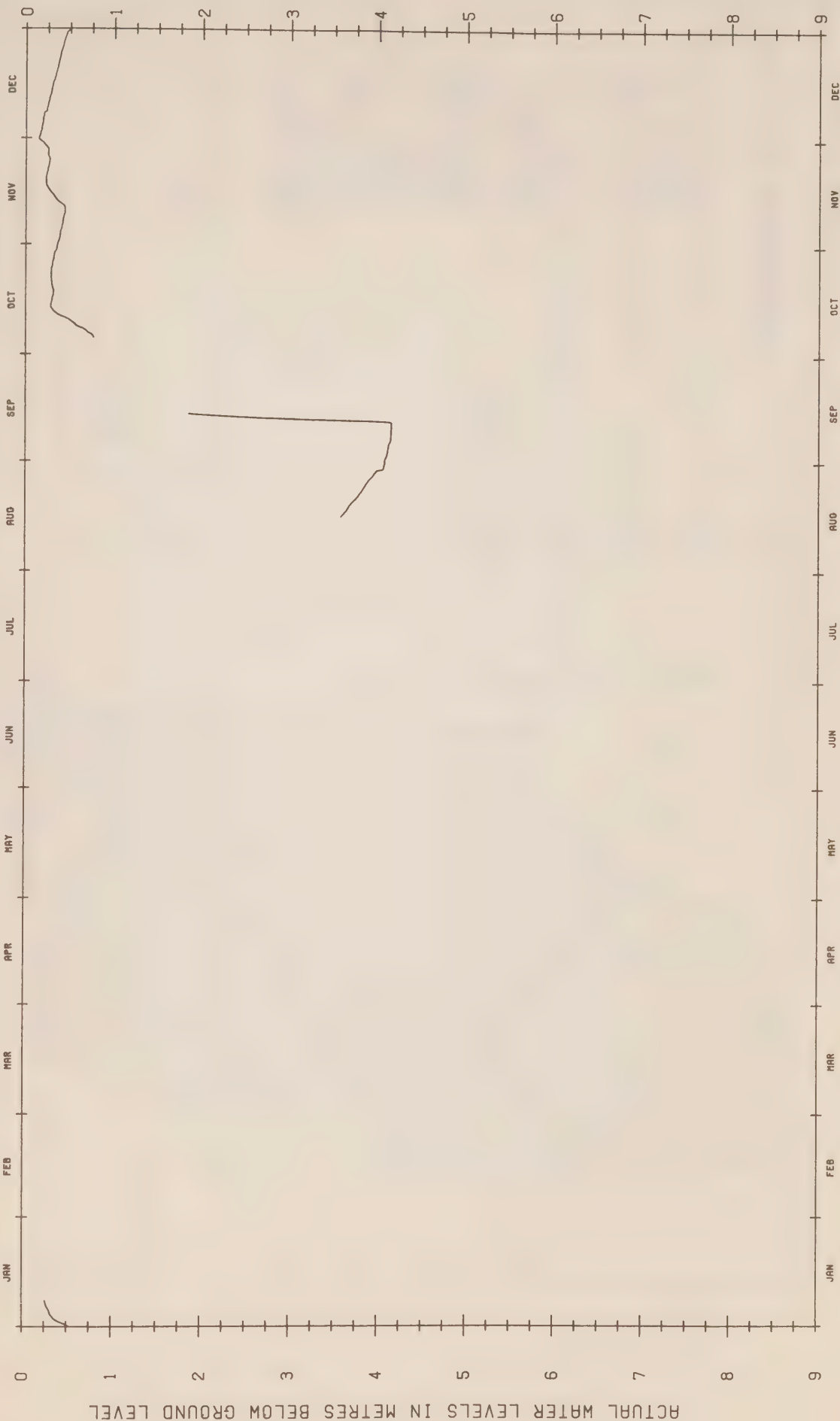
ENVIRONMENT ONTARIO

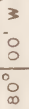


# OBSERVATION WELL 178 TOWNSHIP OF HALLOWELL

1979

ENVIRONMENT ONTARIO





## REGIONAL OFFICE

199 Larch St.

705-675-4501

## North Bay

1500 Fisher St.

705-476-1001

Sault Ste. Marie

445 Albert St. E.

705-949-4640

**Timmins**

83 Algonquin Blvd. W.

705-264-9474

## Parry Sound

74 Church St.

705-746-2139

## Regional Office

District Office

Recording	Observation	Well
1	2	3
4	5	6
7	8	9
10	11	12
13	14	15
16	17	18
19	20	21
22	23	24
25	26	27
28	29	30
31	32	33
34	35	36
37	38	39
40	41	42
43	44	45
46	47	48
49	50	51
52	53	54
55	56	57
58	59	60
61	62	63
64	65	66
67	68	69
70	71	72
73	74	75
76	77	78
79	80	81
82	83	84
85	86	87
88	89	90
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94	95	96
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184	185	186
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199	200	201
202	203	204
205	206	207
208	209	210
211	212	213
214	215	216
217	218	219
220	221	222
223	224	225
226	227	228
229	230	231
232	233	234
235	236	237
238	239	240
241	242	243
244	245	246
247	248	249
250	251	252
253	254	255
256	257	258
259	260	261
262	263	264
265	266	267
268	269	270
271	272	273
274	275	276
277	278	279
280	281	282
283	284	285
286	287	288
289	290	291
292	293	294
295	296	297
298	299	300
301	302	303
304	305	306
307	308	309
310	311	312
313	314	315
316	317	318
319	320	321
322	323	324
325	326	327
328	329	330
331	332	333
334	335	336
337	338	339
340	341	342
343	344	345
346	347	348
349	350	351
352	353	354
355	356	357
358	359	360
361	362	363
364	365	366
367		

Number of Recording Wells

Number of records in same location

## Manually Measured Well

Number of Manually Measured Wells

Number of minutes in same location

ENVIRONMENT ONTARIO  
TORONTO  
SUDBURY DISTRICT

OBSERVATION WELL 550  
TOWNSHIP OF HANMER

CONC. 3 LOT 2

WELL REC #: 5903822  
UTM CO-ORD: Z=17 F502H50 N5167000  
LAT & LONG: 46°39'N 081° 80'58"W EST

REC METHOD: IF TYPE RECORDER

REC COMMCD: AUG. 17 1979

MEASURE DT: 0.75 METRES ABOVE GROUND SURFACE

GND ELEV: 296 METRES ABOVE SEA LEVEL

WELL TYPE: DRILLED

WELL LOG: TOPSOIL 0.3% SOFT BROWN CLAY WITH SAND 1.5% LOOSE BROWN SAND 6.4% LOOSE BROWN SAND WITH GRAVEL 13.4% SOFT GRAY CLAY 13.7%

DIAMETER OF WELL: 15 CM  
LENGTH OF CASTING: 12.5 METRES  
LENGTH OF SCREEN: 0.9 METRES  
DEPTH OF WELL: 13.4 METRES

PUMP RATE: 0.2 L/S  
SPEC. CAP: 0.035 L/S/M  
ADDITION: AND  
QUALITY: FRESH

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1									1.38	1.47	1.45	1.35	1
2									1.38	1.47	1.44	1.37	2
3									1.39	1.48	1.43	1.35	3
4									1.40	1.48	1.43	1.35	4
5									1.40	1.48	1.44	1.33	5
6									1.40	1.47	1.43	1.35	6
7									1.42	1.48	1.43	1.36	7
8									1.42	1.48	1.42	1.39	8
9									1.42	1.49	1.42	1.39	9
10									1.42	1.49	1.41	1.39	10
11									1.42	1.49	1.43	1.38	11
12									1.42	1.48	1.44	1.41	12
13									1.41		1.44	1.41	13
14									1.39		1.43	1.42	14
15									1.40		1.44	1.42	15
16									1.42		1.43	1.43	16
17								1.39	1.41		1.44	1.44	17
18								1.38	1.41		1.43	1.44	18
19								1.40	1.43	1.49	1.44	1.45	19
20								1.40	1.43	1.48	1.45	1.46	20
21								1.38	1.42	1.48	1.45	1.46	21
22								1.37	1.43	1.46	1.43	1.46	22
23								1.37	1.44	1.45	1.40		23
24								1.35	1.44	1.45	1.39		24
25								1.35	1.44	1.46	1.39		25
26								1.37	1.45	1.46	1.37		26
27								1.37	1.45	1.46	1.35		27
28								1.37	1.45	1.45	1.33		28
29								1.36	1.46	1.47	1.33	1.46	29
30								1.37	1.46	1.48	1.33	1.46	30
31								1.38		1.47		1.47	31
-MONTHLY SUMMARY-													
MEAN									1.42		1.41		MEAN
INST									1.37		1.33		INST
MAX									( 2 )		(30)		MAX
INST									1.47		1.46		INST
MIN									(30)		(21)		MIN

# OBSERVATION WELL 550 TOWNSHIP OF HANMER

1979

ENVIRONMENT ONTARIO



OBSERVATION WELL DATA

REGIONAL OFFICE  
THUNDER BAY  
435 James St. S.  
P.O. Box 5000  
807-475-1205

DISTRICT OFFICE  
Kenora  
203 First St. S.  
807-468-5578



LEGEND

- Regional Office
- District Office
- Recording Observation Well
- Number of Recording Wells in same location
- Manually Measured Well
- Number of Manually Measured Wells in same location

ENVIRONMENT ONTARIO  
TORONTO  
THUNDER BAY DISTRICT

OBSERVATION WELL 548  
TOWNSHIP OF PATRIDGE

KAM N 1

LOT 12

WELL REC #: 6101092  
UTM CO-ORD: Z-16 E318300 N5359650  
LAT & LONG: 48-22NORTH 89-26WEST

REC METHOD: A-35 RECORDER  
REC COMMD: JUL 31 1978  
MEASURE PT: 1.1 METRES ABOVE GROUND SURFACE  
GND ELEV: 220 METRES ABOVE SEA LEVEL  
WELL TYPE: DRILLED  
WELL LOG:

DIAMETER OF WELL: 15 CM  
LENGTH OF CASING: 36.9 METRES  
LENGTH OF SCREEN: 1.5 METRES  
DEPTH OF WELL: 38.4 METRES

PUMP RATE: 0.2 L/S  
SPEC. CAP: 0.002 L/S/M  
AQUIFER: SAND AND GRAVEL  
QUALITY: FRESH

LOOSE GREY OVERBURDEN 2.41 VERY LOOSE TAN CLAY WITH SILT 6.71 LOOSE TAN CLAY WITH SILT 9.21 TIGHT GREY CLAY 22.9  
HARD TAN CLAY WITH SILT 29.61 SOFT GREY CLAY WITH SILT 33.61 HARD GREY CLAY WITH ROCKS (35.1 - 35.4) 361 SOFT  
LOOSE BLACK CLAY WITH WET SILT 37.21 LOOSE BLACK FINE SAND WITH SOME GRAVEL 37.51 FINE BLACK SAND WITH SILT 39.7  
SOFT GREY SILT 41.51 HARD GREEN GRANITE 43.3.

1979  
DAILY MEAN WATER LEVELS IN METRES BELOW GROUND SURFACE

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	DAY
1					21.96 F	22.38 E	22.21 E	22.67 E	22.87 E	23.13 E	22.43 E	22.56 E	1
2					21.99 F	22.34 E	22.30 E	22.69 E	22.87 E	23.07 E	22.49 E	22.45 E	2
3					22.02 E	22.30 E	22.56 E	22.73 E	22.95 E	23.05 F	22.54 E	22.44 E	3
4					22.11 E	22.28 E	22.62 E	22.70 E	22.91 E	23.09 E	22.57 E	22.29 F	4
5					22.15 F	22.33 E	22.68 E	22.69 E	22.92 E	23.14 F	22.60 E	22.32 E	5
6					22.17 E	22.39 E	22.79 E	22.72 E	22.97 E	23.11 E	22.36 E	22.49 E	6
7					22.16 F	22.26 E	22.81 E	22.78 E	23.01 E	23.07 E	22.53 E	22.49 F	7
8					22.09 E	22.20 E	22.78 E	22.97 E	23.01 E	23.07 E	22.60 E	22.42 E	8
9					22.07 E	22.29 E	22.67 F	22.94 E	22.97 E	23.02 E	22.66 E	22.40 E	9
10					21.89 E	22.32 E	22.54 E	22.91 E	23.03 E	22.94 E	22.67 E	22.53 E	10
11					21.59 E	22.18 E	22.54 E	22.89 E	22.98 E	22.90 E	22.67 E	22.51 E	11
12					21.53 E	22.20 E	22.78 E	22.89 E	22.95 E	22.82 E	22.63 F	22.49 E	12
13					21.53 F	22.18 E	22.94 E	22.87 F	22.95 E	22.74 E	22.63 F	22.24 E	13
14					21.56 E	22.16 E	22.83 F	22.93 E	22.93 E	22.66 E	22.55 E	22.03 E	14
15					21.64 E	22.10 E	22.90 E	23.01 F	22.96 F	22.63 E	22.52 F		15
16					21.72 E	22.14 E	23.05 E	23.01 E	22.96 E	22.68 E	22.49 E		16
17					21.77 E	22.17 E	23.00 E	23.00 E	22.96 E	22.65 E	22.54 E		17
18				21.78 E	21.75 E	22.24 E	23.10 E	23.05 E	23.01 E	22.50 E	22.54 E		18
19				21.92 E	21.74 F	22.36 E	22.92 E	23.04 E	23.00 E	22.47 E	22.60 F		19
20				21.92 E	21.78 E	22.33 E	22.91 F	23.13 E	23.00 E	22.51 E	22.65 F		20
21				21.96 E	21.84 F	22.15 E	23.00 E	23.16 F	23.33 F	22.56 E	22.57 E		21
22				21.91 E	21.90 E	22.09 E	22.83 E	23.08 E	23.29 E	22.53 E	22.46 E		22
23				21.86 E	22.01 E	22.15 E	22.77 E	22.95 E	23.24 E	22.56 F	22.44 E		23
24				21.78 E	22.03 E	22.20 E	22.76 E	22.95 E	23.13 E	22.59 E	22.45 E		24
25				21.61 E	22.09 E	22.24 E	22.69 E	22.99 E	23.06 E	22.59 E	22.44 E		25
26				21.61 E	22.10 E	22.18 E	22.71 E	23.00 E	23.07 E	22.50 E	22.44 F		26
27				21.57 E	22.09 E	22.17 E	22.65 E	23.06 E	23.12 E	22.47 E	22.45 E		27
28				21.61 E	22.09 E	22.31 E	22.69 E	22.99 E	23.12 F	22.54 E	22.48 E		28
29				21.70 E	22.20 E	22.28 E	22.83 E	22.95 E	23.14 E	22.55 E	22.48 F		29
30				21.79 E	22.40 E	22.30 E	22.86 E	23.04 E	23.14 E	22.54 E	22.53 E		30
31				21.88 E	22.48 E		22.64 E	22.96 E		22.40 E			31

-MONTHLY SUMMARY-

MEAN	21.95	22.24			22.75		22.93	23.03	22.75	22.53		MEAN
INST MAX		21.50 (13)			22.05 (21)		22.17 (1)	22.60 (1)	22.81 (2)	22.38 (31)	22.32 (7)	INST MAX
INST MIN					22.58 (30)	22.46 (19)	23.24 (18)	23.25 (20)	23.46 (21)	23.17 (5)	22.71 (11)	INST MIN

OBSERVATION WELL 548  
TOWNSHIP OF PAIPOONGE

1979

ENVIRONMENT ONTARIO



# METRIC - IMPERIAL CONVERSION FACTORS

<u>Multiply Metric Units</u>	<u>by</u>	<u>To Obtain Imperial Units</u>
Centimetres (cm)	0.394	Inches (in)
Metres (m)	3.28	Feet (ft)
Litres/sec (L/s)	13.2	Imperial gallons/min (Igpm)
Litres/sec/metre(L/s/m)	4.02	Imperial gallons/min/ft (Igpm/ft)

# CONVERSION TABLE - METRES TO FEET

Metres	.0	.1	.2	.3	.4	.5	.6	.7	.8	.9
	Feet									
0	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	3.0
1	3.3	3.6	3.9	4.3	4.6	4.9	5.2	5.6	5.9	6.2
2	6.6	6.9	7.2	7.5	7.9	8.2	8.5	8.9	9.2	9.5
3	9.8	10.2	10.5	10.8	11.2	11.5	11.8	12.1	12.5	12.8
4	13.1	13.5	13.8	14.1	14.4	14.8	15.1	15.4	15.7	16.1
5	16.4	16.7	17.1	17.4	17.7	18.0	18.4	18.7	19.0	19.4
6	19.7	20.0	20.3	20.7	21.0	21.3	21.7	22.0	22.3	22.6
7	23.0	23.3	23.6	23.9	24.3	24.6	24.9	25.3	25.6	25.9
8	26.2	26.6	26.9	27.2	27.6	27.9	28.2	28.5	28.9	29.2
9	29.5	29.9	30.2	30.5	30.8	31.2	31.5	31.8	32.2	32.5
10	32.8	33.1	33.5	33.8	34.1	34.4	34.8	35.1	35.4	35.8
11	36.1	36.4	36.7	37.1	37.4	37.7	38.1	38.4	38.7	39.0
12	39.4	39.7	40.0	40.3	40.7	41.0	41.3	41.7	42.0	42.3
13	42.6	43.0	43.3	43.6	44.0	44.3	44.6	44.9	45.3	45.6
14	45.9	46.3	46.6	46.9	47.2	47.6	47.9	48.2	48.6	48.9
15	49.2	49.5	49.9	50.2	50.5	50.8	51.2	51.5	51.8	52.2
16	52.5	52.8	53.1	53.5	53.8	54.1	54.5	54.8	55.1	55.4
17	55.8	56.1	56.4	56.7	57.1	57.4	57.7	58.1	58.4	58.7
18	59.0	59.4	59.7	60.0	60.4	60.7	61.0	61.4	61.7	62.0
19	62.3	62.7	63.0	63.3	63.6	64.0	64.3	64.6	65.0	65.3
20	65.6	65.9	66.3	66.6	66.9	67.2	67.6	67.9	68.2	68.6
21	68.9	69.2	69.5	69.9	70.2	70.5	70.9	71.2	71.5	71.8
22	72.2	72.5	72.8	73.1	73.5	73.8	74.1	74.5	74.8	75.1
23	75.4	75.8	76.1	76.4	76.8	77.1	77.4	77.8	78.1	78.4
24	78.7	79.1	79.4	79.7	80.0	80.4	80.7	81.0	81.4	81.7
25	82.0	82.3	82.7	83.0	83.3	83.6	84.0	84.3	84.6	85.0
26	85.3	85.6	85.9	86.3	86.6	86.9	87.3	87.6	87.9	88.3
27	88.6	88.9	89.2	89.5	89.9	90.2	90.6	90.9	91.2	91.5
28	91.8	92.2	92.5	92.8	93.2	93.5	93.8	94.2	94.5	94.8
29	95.1	95.5	95.8	96.1	96.4	96.8	97.1	97.4	97.8	98.1
30	98.4	98.7	99.1	99.4	99.7	100.0	100.4	100.7	101.0	101.4
31	101.7	102.0	102.3	102.7	103.0	103.3	103.7	104.0	104.3	104.7
32	105.0	105.3	105.6	105.9	106.3	106.6	107.0	107.3	107.6	107.9
33	108.2	108.6	108.9	109.2	109.6	109.9	110.2	110.6	110.9	111.2
34	111.5	111.9	112.2	112.5	112.8	113.2	113.5	113.8	114.2	114.5
35	114.8	115.1	115.5	115.8	116.1	116.4	116.8	117.1	117.5	117.8













